



Agromet Advisory Bulletin

Date : 2025-07-22

Weather Forecast of District GAJAPATI (Odisha) Issued On : 2025-07-22 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-07-23	2025-07-24	2025-07-25	2025-07-26	2025-07-27
Rainfall(mm)	5.0	8.0	15.0	20.0	8.0
Tmax(°C)	36.0	37.0	36.0	35.0	34.0
Tmin(°C)	26.0	27.0	27.0	27.0	26.0
RH-I(%)	93	91	91	94	92
RH-II(%)	57	61	74	82	76
Wind Speed(kmph)	2	5	8	10	11
Wind Direction(Degree)	292	291	283	264	253
Cloud Cover(Octa)	4	5	6	7	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 to moderate rain up to Saturday with partly to generally cloudy sky. The wind speed is likely to remain within 02.0 to 11.0 kmph for the next five days. The daily maximum and minimum temperature may range from 34.0°C to 37.0°C and 26.0°C to 27.0°C respectively. Relative humidity during the morning and the afternoon may range between 91 to 94 percent and 57 to 82 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 35.1°C and the mean minimum daily temperature was 24.4°C of the Gajapati district during the last week. The district received 46.9 mm of rainfall during the last week. Drain out excess water from crop fields to avoid water stagnation. Postpone sowing of maize, pigeon pea and vegetables. Go for raising seedlings of vegetables in raised seed bed in the rainfed uplands. Cover the vegetable nursery with polythene to protect it from heavy rain and make drainage

arrangements. In heavy rainfall areas, stop the sowing of seeds and top dressing of fertilizers or herbicides for time being.

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)	Start land preparation for transplanting paddy with 3-4 week old seedlings. Apply 2t FYM before final land preparation and 25kg DAP with 10kg MOP before transplanting in short duration varieties and 35 kg DAP with 13 kg MOP in medium and long duration varieties per acre area.
COTTON (Seedling Growth)	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.
MAIZE (Seedling Growth)	The crop is at germination to three-week stage. At the three to four-week stage of maize crop go for hoeing, weeding observing the soil moisture and apply Urea 52 kg per acre for hybrid maize and 40kg Urea per acre for high yielding varieties.
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.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
BRINJAL (Nursery/seedling)	High soil moisture & moderate soil temperature (<28°C), 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 solution made of 20-gram Copper oxychloride and 1- gram Streptocycline dissolved in 10-litre of water.
BRINJAL (Vegetative)	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.
MANGO (Planting)	July and August is the optimum for mango planting. Grow Baiganpalli, Totapuri, Bombay green, Suvarnarekha, Neelam, Himsagar,, Langra, Dusheri, Amrapalli, Mallika, Ratna, Ramkella, Rummani, Sindhu, Alphanso and Keshar, etc. Use healthy unbranched grafted seedlings. Plant the seedlings in 1x1x1 m pit at 10x10 m distance. Before planting apply 80:100:60 g of NPK and two baskets of compost/pit.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
GOAT	By using sand over the floor we can keep the floor dry so that the animals are kept free from different diseases. The speciality of this shed is the floor is made of bricks and cement and sand from river is spread over it by a thickness of 4-6 inches. The sand soaks the urine so that the animals can sleep over it comfortably. It is also easier to clean the faecal material over the sand floor. To keep the sand dry it is stirred upside down in 15-20 days interval. The floor space requirement for kid is 0.5, for adult 1.2, for buck and pregnant female 2 square metre floor space is necessary which is suitable for every type of shed.
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)

• 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

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 Metalaxyl 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>