



## Agromet Advisory Bulletin

Date : 2025-07-18

Weather Forecast of District GAJAPATI (Odisha) Issued On : 2025-07-18 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-07-19	2025-07-20	2025-07-21	2025-07-22	2025-07-23
Rainfall(mm)	10.0	18.0	17.0	15.0	13.0
Tmax(°C)	35.0	35.0	36.0	36.0	36.0
Tmin(°C)	25.0	26.0	26.0	27.0	27.0
RH-I(%)	93	92	93	92	92
RH-II(%)	63	61	66	66	69
Wind Speed(kmph)	2	2	2	2	5
Wind Direction(Degree)	248	360	284	315	291
Cloud Cover(Octa)	5	7	6	6	5
Warning	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	Heavy Rain; 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 to moderate rain up to Tuesday with generally cloudy sky. The wind speed is likely to remain within 02.0 to 05.0 kmph for the next five days. The daily maximum and minimum temperature may range from 35.0°C to 36.0°C and 25.0°C to 27.0°C respectively. Relative humidity during the morning and the afternoon may range between 92 to 93 percent and 61 to 69 percent respectively.

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

Yellow warning has been issued by IMD for the next 5 days on account of Heavy Rain; Thunderstorms & Lightning, Squall etc; with Strong Surface Winds.

### Likely impacts of weather warnings on Agriculture and associated Agromet advisories

No impact

### General Advisory:

The mean maximum daily temperature was 35.7°C and the mean minimum daily temperature was 24.3°C of the Gajapati district during the last week. The district received 41.4 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:

As thunderstorm with lightning are expected for the next five days for the district, farmers are advised not to stay in open fields, near trees or water bodies during thunderstorms.

### 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 (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.
GROUNDNUT (Vegetative )	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
PAPAYA (Planting)	Now the weather is optimum for planting of Papaya. HYV for papaya are Honeydew, Coorg honey dew, CO-1, CO-2, Pusa delicious, Pusa majesty and Pusa giant. Plant the seedling at 2.5 x 2.5 meter distance and 0.5 x 0.5 x 0.5 meter pit. Disease resistance and Tissue culture seedling should be use.
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
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
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)

No warning
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#### Impact based advisories (General)

No impact
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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 lightning.

Mausam MobileApp link: <https://play.google.com/store/apps/details/>

Meghdoot MobileApp link: [https://play.google.com/store/apps/details](https://play.google.com/store/apps/details/)

Damini MobileApp link : [https://play.google.com/store/apps/details](https://play.google.com/store/apps/details/)