



Agromet Advisory Bulletin

Date : 2025-10-22

Weather Forecast of District GAJAPATI (Odisha) Issued On : 2025-10-22 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-10-23	2025-10-24	2025-10-25	2025-10-26	2025-10-27
Rainfall(mm)	3.0	5.0	8.0	12.0	15.0
Tmax(°C)	34.0	34.0	33.0	33.0	33.0
Tmin(°C)	23.0	23.0	23.0	22.0	22.0
RH-I(%)	95	96	95	96	97
RH-II(%)	64	71	68	68	72
Wind Speed(kmph)	5	4	4	4	4
Wind Direction(Degree)	48	55	52	53	31
Cloud Cover(Octa)	3	4	4	5	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 very light to light rain up to Sunday with partly to generally cloudy sky. The wind speed is likely to remain within 04.0 to 05.0 kmph for the next five days. The daily maximum and minimum temperature may range between 33.0°C to 34.0°C and 22.0°C to 23.0°C respectively. Relative humidity during the morning and the afternoon may range between 95 to 97 percent and 64 to 72 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

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 33.7°C and the mean minimum daily temperature was 22.1°C of the Gajapati district during the last week. The district received 24.9 mm of rainfall during the last week. Soil moisture is adequate for sowing of rabi crops such as Groundnut, Horse gram, Green gram, Black gram, Cowpea, Sweet potato and Sesame in upland/medium lands. It is optimum time for sowing of Vegetables like cole crops (Cabbage, late Cauliflower and Broccoli), Solanaceous vegetables

(Brinjal, Tomato, Chilli and Capsicum). Go for planting of vegetables like Carrot, radish, late onion, garlic, legumes, etc. October is the ideal time for hard pruning in rose to produce lots of flower buds on a well-spaced framework of branches. Go for nursery sowing of brinjal, tomato, cauliflower and sesame. Go for planting of cole crops. Cole crop seedlings are at 3-week stage in the nursery. Go for planting in the main field. The weather is optimum for beans planting.

SMS Advisory:

For winter, the sowing time of marigold is mid of September and the transplanting time is mid of October.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Hard Dough)	The present high humid weather condition and rainfall followed by clear sky is favourable for Brown Plant Hopper (BPH) and White Backed Plant Hopper (WBPH) infestation in paddy. To manage BPH and WBPH in paddy avoid excess use of nitrogenous fertilizer. Do not keeping standing water in the field for longer period. Alter the micro-climate of the rice field by alternate wetting and drying technique. Make alleys at 6 feet spacing for sunlight entry and proper aeration below the crop zone. If infestation of BPH occur (5-10 hoppers/hill), spray Neem Based Pesticide 1500 PPM @ 600-ml/acre at the base of the plant. If problem persists, spray Pymetrozine 50% WG @ 120 g/acre or Dinotefuran 20 % SG @ 80 g/acre or Flonicamid 50 % WG @ 60-gram/acre or Triflumezopyrim 10% SC @ 100 ml / acre at the base of the plant. Use only pesticides recommended for brown plant hopper at recommended dose only. If the Bacterial Leaf Blight disease incidence seen, then drain out water from the paddy field. Remove the weeds and keep the field clean. Avoid excess use of "Nitrogenous" Fertilizer. Apply MOP @ 6-8kg/acre. To manage this disease organically mix 20-kg of fresh cow dung with 200 litres of water. Filter it with fine cloth and spray the solution in one acre. To manage this disease chemically, spray Copper Hydroxide 53.8% DF @ 600-gram/acre or 200-gram Plantomycin along with Copper Oxy Chloride 50% WP @ 600-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. As the pest is nocturnal in behaviour spraying of pesticide should be done in the evening hours for better result.
COTTON (Boll Formation)	The crop is at square formation to boll formation stage. Now temperature and humid conditions are favorable for the infestation of sucking pests in cotton. If there is infestation of Aphids and Jassids in early sown cotton crop, go for spraying of Acetamiprid 20%SP 20gm/acre or neem-based pesticide Neem Oil 1500 PPM @600-ml/acre by mixing it in 200-litre of water.
PIGEON PEA (RED GRAM/ARHAR) (Pod formation)	Sucking Pests (Aphid, Jassids, Thrips, Whitefly): Sucking pests are generally more active in prevailing weather condition. Neem-based pesticide (1500 ppm) may be sprayed @ 3ml/ lit of water at initial stage of infestation. Wilt: Wilting may be observed after receding of rain. Apply Metiram 75% WG @ 1.5g/liter at root zone of the plant as control measure.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
PUMPKIN (Harvesting)	To manage fruit fly in cucurbits, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion or DDVP in 4-litre of water. Keep this mixture in Plastic cups or clay pots @80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.
TOMATO (Nursery/ seedling)	The tomato seedlings in nursery are germination to one week stage. Start nursery preparation and complete sowing tomato seeds in nursery. The Varieties suitable for tomato are Utkala prgyan, Utkala Raja, Utkala kumari, Utkala pallavi, Swarna Sampad, swarna lalima etc. Use 200grams seeds for one acre area transplanting. Seed treatment with Bavistin 1g + Thiam 2 g per kg seed should be done before sowing in the nursery. For 1 acre crop the nursery area should be of 50 sq.m (of dimension 3m X 1m X 0.15 m). Drench

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	the seed bed with streptocycline 0.1g with carbendazim 1g mixing in one liter water to protect seedlings from damping off.
CABBAGE (Nursery/ seedling)	The cabbage seedlings in nursery are germination stage. Start nursery preparation and sowing cabbage seeds. The Varieties suitable for cabbage are Golden acre, Pride of India etc and the seed rate is 200g/acre. For 1 acre crop the nursery area should be of 50 sq.m (of dimension 3m X1m X 0.15 m). Seed treatment with Bavistin 1g + Thriam 2 g per kg seed should be done before sowing in the nursery.Drench the seed bed with streptocycline 0.1g with carbendazim 1g mixing in one liter water to protect seedlings from damping off.
CAULIFLOWER (Nursery/ seedling)	The cauliflower seedlings in nursery are germination stage. Start nursery preparation for sowing cauliflower and complete sowing seed in nursery. The Varieties suitable for cauliflower are K-1, Pusa early synthetic and Pusa early Kuanri and the seed rate is 200g/acre.For 1 acre crop the nursery area should be of 50 sq.m (of dimension 3m X1m X 0.15 m). Seed treatment with Bavistin 1g + Thriam 2 g per kg seed should be done before sowing in the nursery.Drench the seed bed with streptocycline 0.1g with carbendazim 1g mixing in one liter water to protect seedlings from damping off.
ONION (Nursery/ seedling)	The onion seedlings in nursery are germination to one week stage. Complete nursery preparation for sowing onion and sowing seeds in nursery. For onion use varieties like Agrifound light Red, Bhima Super, Bhima Red, Bhima Shakti and seed rate is 4-5 kg/ac. Cover the nursery to protect from sunrays and rain.For 1 acre crop the nursery area should be of 50 sq.m (of dimension 3m X1m X 0.15 m). Seed treatment with Bavistin 1g + Thriam 2 g per kg seed should be done before sowing in the nursery.Drench the seed bed with streptocycline 0.1g with carbendazim 1g mixing in one liter water to protect seedlings from damping off.
BRINJAL (Harvesting)	For control of shoot and fruit borer in brinjal, spray Emamectin Benzoate 5% SG @ 80-gram/ acre or Chlorantraniliprole 18.5 % SC @80-ml/acre or Spinetoram 11.7 % SC @ 200-ml /acre. Use any of the above insecticides alternately at 15-days interval.
FRENCH BEAN	To manage Pod borer in beans spray Emamectin Benzoate 5% SG @ 90-gram/ acre or Chlorantraniliprole 18.5 % SC @ 60-ml/acre or Flubendiamide 39.35 SC @ 40-ml/acre.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
COW	If your domestic Animal is becoming off feed, weak, lackluster, diarrhoea, Milk production is low, dryness in eyes and appearance of bottleneck condition, there is every possibility of its being suffering from Parasitic infestation. These worms or Parasites reduce the vitality and productivity of the animals. Hence, the farmers are advised to make fecal sample examination of their animals at regular interval at the nearest LAC, Veterinary Dispensary.

Fisheries Specific Advisory:

Fisheries	Fisheries Specific Advisory
FRESH WATER	When there is a lack of oxygen in the pond, the fish will come up to the surface water and start gulping through their mouths. The ideal dissolved oxygen is about 5mg/l. This can be maintained by using aerator. A simple way of aeration is to circulate the pond water. It can be done using a pump which can take water from the lower surface of the pond and splash it into the same pond.

Poultry Specific Advisory:

Poultry	Poultry Specific Advisory
CHICK	If the Poultry bird is 3-4 weeks old then go for Vaccination against Ranikhet disease.

Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	There is chance of infestation of seedling rot in vegetables like tomato, chilli and brinjal. To manage this disease, 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.
GENERAL ADVICE	After rainfall there are chances of wilt disease in brinjal and chilli crop. To manage wilt disease in brinjal and chilli first uproot affected plants and destroy it away from the field. Don't apply excess nitrogenous fertilizer. Drench the root zone of the plant with 200-ml of Tebuconazole mixed with 20-gram of Streptocycline per acre. Use 200-litre of water per acre for spraying.
PLANT PROTECTION	To manage the vectors of the yellow vein mosaic disease, install 8-10 Nos of Yellow sticky traps starting from 10-12 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.

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)

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 the

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>