



Agromet Advisory Bulletin

Date : 2025-09-09

Weather Forecast of District GAJAPATI (Odisha) Issued On : 2025-09-09 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-09-10	2025-09-11	2025-09-12	2025-09-13	2025-09-14
Rainfall(mm)	15.0	20.0	20.0	15.0	8.0
Tmax(°C)	34.0	33.0	33.0	32.0	32.0
Tmin(°C)	25.0	26.0	26.0	25.0	25.0
RH-I(%)	96	95	95	97	97
RH-II(%)	69	69	68	68	72
Wind Speed(kmph)	1	2	1	1	3
Wind Direction(Degree)	315	281	304	72	82
Cloud Cover(Octa)	6	7	7	6	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 to moderate rain up to Tuesday with generally cloudy sky. The wind speed is likely to remain within 01.0 to 03.0 kmph for the next five days. The daily maximum and minimum temperature may range between 32.0°C to 34.0°C and 25.0°C to 26.0°C respectively. Relative humidity during the morning and the afternoon may range between 95 to 97 percent and 68 to 72 percent respectively.

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

YELLOW WARNING (BE AWARE): - Heavy Rain; 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 34.0°C and the mean minimum daily temperature was 25.0°C of the Gajapati district during the last week. The district received 75.9 mm of rainfall during the last week. Provide protective irrigation through recycling of harvested rain water during the scarcity of water. Close the drainage holes and check the seepage loss in direct sown medium land rice regularly. Maintain 2-3 cm standing water during tillering stage in paddy. Do not practice Beushaning in rice, if

the crop is more than 45 days old. Regular monitoring of the crop for incidence of pest and diseases should be done. Keep the animal sheds clean and dry. Provide sufficient foods and water to animals and keep the foods in safer place to protect from rain.

SMS Advisory:

Please make sure before applying urea in the field you should complete weed control operations and drain out access water from the field.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
MAIZE (Tasseling)	To manage the fall army worm pest spray biopesticide Beauveria bassiana @ 1200-gram/acre by mixing in 200-litre of water. Use 10-12 bird perches per acre and remove them before tasselling stage. Dust mixture of sand, soil, and wooden ash inside the leaf whorl so that the caterpillars cannot feed on the leaves. To manage the pest chemically, spray Emamectin Benzoate 5 % S.G @ 80-gram/acre or Spinetoram 11.7% S.C @ 100-ml/acre or Chlorantraniliprole 18.5% S.C @ 80-ml/acre by mixing in 200-litre of water.
COTTON (Vegetative)	Due to high temperature and humidity, there are reports of incidence of sucking pest like Aphids and Jassids in Cotton crop. Go for regular monitoring of the crop for incidence of pest and diseases. If there is infestation of sucking pest like Aphids and Jassids cotton crop go for spraying of neem-based pesticide (Neem Oil 1500 PPM) @ 600-ml/acre by mixing it in 200-litre of water. Use yellow sticky trap @ 8/acre. If the sucking pest population found to be above ETL, spray Flonicamid 50% WG @ 60-gram/acre or Thiamethoxam 25% WG @ 40-gram /acre or Dinotefuran 20 % SG @ 80-gram/ acre.
FINGER MILLET (Tillering)	There is chance of leaf spot and leaf blight disease in finger millet crop. Brown lesions appear on the young leaves. Severely affected seedlings may be killed. Dark brown spots appear on the leaves of grown up plants. The leaves give blighting appearance. Break down of neck occur and ears hang down from the plant. To control this diseases spray Mancozeb 63%WP+Carbendazim 12% @ 400 gm/acre. To spray the fungicide 200-litre of water per acre is required.
RICE (Tillering)	To manage these diseases 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 (Kocide/Hi-Dice) @ 600-gram/acre or 200-gram Plantomycin along with Copper Oxy Chloride 50% WP (Blitox-50/Blue Copper) @ 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 in clear weather condition. As the pest is nocturnal in behaviour spraying of pesticide should be done in the evening hours for better result.
GROUNDNUT (Vegetative)	To manage Leaf Miner, Aphids and Thrips at early stage of infestation spray neem-based pesticide (Neem Oil 1500 PPM) @ 600-ml/acre by mixing in 200-litre of water. To manage these pests after completion of rain, chemically spray Thiamethoxam 25 % WG @ 40-gram /acre or Emamectin Benzoate 5 % SG @ 80- gram/acre by mixing in 200 litre of water.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
BRINJAL (Fruit Maturity)	Brinjal is at flowering to fruiting stage. After receding of rainfall and there is chance of increasing in day & night temperature and morning relative humidity more than 70% favours Shoot and fruit borer in Brinjal. To manage the pest, remove the affected terminal shoot showing bore holes and the affected fruits. To manage this insect, install 8 nos. of pheromone trap having Leucin Lure per acre. Use chemical control if there is 4% withering of terminal shoot or 14% fruits infested with borers. For chemical control spray Emamectin Benzoate 5% SG @ 80-gram/ acre or Chlorantraniliprole 18.5 %

Horticulture (Stage)	Horticulture Specific Advisory
	SC @80-ml/acre or Spinetoram 11.7 % SC @ 200-ml /acre. There should be a gap of 7-10 days between pesticide application and harvest. Use any of the above insecticides alternately at 15-days interval.
Menacinakahi (Fruit formation)	There is a chance of fruit rot infestation in chilli and brinjal. To manage this spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water in clear weather condition.
CHILLI (Fruit formation)	There is a chance of fruit rot infestation in chilli and brinjal. To manage this spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water in clear weather condition.
PUMPKIN (Fruit Maturity)	To manage Red Pumpkin Beetle in Cucurbit crops spray Cyantranilprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/ acre or Chlorpyrifos 20% EC @ 400-ml/acre.
COWPEA/ LOBIA (Fruit Maturity)	Present high humidity and cloudy weather situation may lead to Aphid infestation in Cowpea. At primary stage of infestation, spray Verticilliumlecani @ 5 g/lit of water. Along with this broadcast 5000 no. of eggs of Chrysoperlacarnea per acre by mixing with saw dust. Try to conserve other parasitoids in field like ladybug (Coccinellid beetle) and syrphid fly. To manage Aphids chemically spray Thiamethoxam 25% W.G @ 60 gram/acre or Acetamiprid 20% S.P. @ 50 gram/acre by mixing in 200 litres of water.

Poultry Specific Advisory:

Poultry	Poultry Specific Advisory
CHICKEN	Bird flu is a viral disease of poultry. It spreads through contaminated feathers, saliva, droppings of birds. Sometimes it can spread from affected birds to human beings. During this time please clean poultry houses every day and change the feed and water of poultry birds frequently. Don't throw the dead poultry birds here and there. Please bury them by wearing gloves and masks and sanitise the place with bleaching powder. Don't bring poultry birds or eggs to home from the affected area.

Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	Based on the above five days forecast, drainout excess water from Ragi, Jowar, Bajra, millets, maize, cotton,brinjal, chilli, cowpea, beans, etc. For high yielding paddy varieties, apply 35 kg Urea per acre at 3 weeks after transplanting at active tillering stage. For hybrids apply 42kg of Urea per acre at 3 weeks after transplanting at active tillering stage. Please make sure before applying urea in the field you should complete weed control operations and drain out access water from the field.
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)

1. 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 t

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>