



Agromet Advisory Bulletin

Date : 2025-08-14

Weather Forecast of District GAJAPATI (Odisha) Issued On : 2025-08-14 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-08-15	2025-08-16	2025-08-17	2025-08-18	2025-08-19
Rainfall(mm)	30.0	20.0	18.0	12.0	10.0
Tmax(°C)	32.0	32.0	33.0	33.0	34.0
Tmin(°C)	24.0	24.0	25.0	25.0	26.0
RH-I(%)	96	95	94	95	95
RH-II(%)	73	69	72	76	81
Wind Speed(kmph)	1	2	2	3	2
Wind Direction(Degree)	90	292	346	36	315
Cloud Cover(Octa)	7	7	6	6	5
Warning	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	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 Monday 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 from 32.0°C to 34.0°C and 24.0°C to 26.0°C respectively. Relative humidity during the morning and the afternoon may range between 94 to 96 percent and 69 to 81 percent respectively.

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

ORANGE WARNING (BE PREPARED TO TAKE ACTION): - 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 34.4°C and the mean minimum daily temperature was 24.4°C of the Gajapati district during the last week. The district received 34.2 mm of rainfall during the last week. Go for gap filling in rice crop using seedling of same age or clonal tillers to have a uniform distribution. Complete transplanting of rice by first fortnight of August. Make arrangements for draining out excess water from the field of Pulses, Maize, Groundnut and vegetables. In Direct sown rice, where herbicide has not been applied, “Beushaning” may be done after accumulation of enough water (at least 7-10 cm standing water) at 25-30 days after sowing. Install yellow sticky trap @ 8 nos./acre to control & monitor sucking pests complex like Aphid, Jassids, Thrips & Whitefly in standing crops like maize, groundnut and pulses. As thunderstorm with lightning are expected for the next five days, so farmers are advised to stop all outdoor activities once you hear thunder or see lightning. Do not take shelter under tall trees, electric poles, or isolated sheds. If no shelter is available, crouch low with your feet together in an open area.

SMS Advisory:

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.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Tillering)	During clear weather condition to manage stem borer in paddy at early stage of crop, apply Cartap Hydrochloride 4 % G (Caldan 4G/ Nidan) @ 8-kg/acre or Chlorantraniliprole 0.4 % GR (Ferterra/Enfuse) @ 4-kg/acre or Imidacloprid 0.3% GR (Ultimate) @ 6-kg/acre by mixing it with sand at 1:1 ratio. Due to cloudy weather there is a chance of leaf folder and case worm infestation. To manage this pests in paddy, after cessation of rain spray Fipronil 5% SC @ 400-ml/acre or Profenophos 50% EC @ 400-ml/acre or Chlorantraniliprole 18.5% SC @ 60-ml /acre.
COTTON (Vegetative)	In severely weed infested fields Post emergence directed spray of Glyphosate @ 1 liter per acre by mixing with 200 liters of water on the weeds at 45-50 DAS during clear weather. Make drainage channel for draining out excess rain water. Application of plant hormone Planofix @ 3.5 ml mixing with 15 liters of water is advisable at 30-45 days of crop stage during clear weather to control flower drop and better bulb development. Application of Neem based pesticide like Neem oil@ 600-800 ml + 200g detergent powder per acre by mixing with 200 liters of water is advisable during clear weather at 30-45 days of crop stage to control sucking pests complex like Aphid, Jassids, Thrips & Whitefly. Install yellow sticky trap @ 8nos./acre to control & monitor sucking pests complex like Aphid, Jassids, Thrips & Whitefly.
PIGEON PEA (RED GRAM/ARHAR) (Vegetative)	Hoeing, weeding followed by earthing up should be completed by the end of this week. Monitor your field regularly for signs of pest infestation. To prevent sucking pests like aphids and thrips, neem-based pesticide (1500 ppm) may be sprayed @ 3ml/ lit of water in clear weather condition.
MAIZE (Vegetative)	Drainout excess water from the field. If there is infestation of Fall Army Worm, spray biopesticide Beauveria bassiana @ 1200 g/acre by mixing in 200 litres of water. Use 10-12 bird perches per acre and remove them before tasseling stage. Dust mixture of sand, soil and wooden ashes inside the leaf whorl so that the caterpillars cannot feed on the leaves. After completion of rain for chemical control, spray Emamectin Benzoate 5 % S.G @80 g / acre or Spinetoram 11.7% S.C @ 100 ml/ acre or Chlorantraniliprole 18.5% S.C @ 80ml/ acre after mixing in 200 litres of water.

Crop (Stage)	Crop Specific Advisory
GROUNDNUT (Vegetative)	Hoing should be done at 20-25 DAS in groundnut crop. To manage Tikka disease, after cessation of rain spray Chlorothalonil 75% WP @ 400g/ acre or Mancozeb 75% WP @ 600 g/acre or Hexaconazole 5% E.C @ 300ml/acre.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
BRINJAL (Fruit formation)	To manage brinjal shoot and fruit borer insect, install 20nos.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 Spinosad 45 % SC @ 75-ml/acre or Emamectin Benzoate 5% SG @80-gram/acre or Chlorantraniliprole 18.5% SC @ 80 ml/acre or Spinetoram 11.7 % SC @ 200-ml /acre. Do not repeat the same insecticide. Use any of the above insecticides alternately at 15-days interval.
Menacinakahi (Vegetative)	Keep the field clean. Monitor the crops for any disease and pests. To control Chilli thrips, spray Malathion or Imidachloprid 17.8 SL @ 2 ml/lit. Leaf blight in Chilli can be controlled by spraying carbendazim or Mancozeb fungicides @ 2-3 g/lit.
CHILLI (Vegetative)	Keep the field clean. Monitor the crops for any disease and pests. To control Chilli thrips, spray Malathion or Imidachloprid 17.8 SL @ 2 ml/lit. Leaf blight in Chilli can be controlled by spraying carbendazim or Mancozeb fungicides @ 2-3 g/lit.
PUMPKIN (Fruit formation)	Mostly affected crops are Cucumber & Pumpkin. To manage cucumber mosaic virus, after cessation of rain, spray any systematic pesticide like Thiomethoxam @ 80 g/acre or Acetamiprid @ 80 g/acre.
BANANA (Vegetative)	To manage panama wilt, select disease free planting material and resistant cultivar like Bantal, Robusta, Champa, Kabuli etc. Banana suckers should be dipped with solution of Carbendazim @ 10-gram/10- litre of water before planting followed by bimonthly drenching of soil around the pseudostem starting from 5 months after planting.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
COW	Mastitis is common in rainy season in milch cattle. Wet, unclean or dirty sheds during rainy season causes severe mastitis which in turn induces fibrosis of udder and milk production is reduced or stopped or presence of flakes in the milk. Vaccination is to be done against Mastitis.

Fisheries Specific Advisory:

Fisheries	Fisheries Specific Advisory
FRESH WATER	For rearing of fry to fingerling it takes about 3 months' time. About 40,000 fries can be stocked in an acre pond. The natural food in the pond is not enough for fry, so you should give rice bran and groundnut oil cake in 1:1 ratio twice a day after stocking in pond. After 3 months of stocking, they will reach about 80-100 mm length fingerling size.

Likely impacts of weather warnings (General)

<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
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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>