



Agromet Advisory Bulletin

Date : 2025-08-05

Weather Forecast of District GAJAPATI (Odisha) Issued On : 2025-08-05 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-08-06	2025-08-07	2025-08-08	2025-08-09	2025-08-10
Rainfall(mm)	7.0	12.0	9.0	9.0	5.0
Tmax(°C)	36.0	36.0	35.0	35.0	36.0
Tmin(°C)	26.0	25.0	25.0	25.0	26.0
RH-I(%)	96	93	93	93	93
RH-II(%)	64	66	70	75	68
Wind Speed(kmph)	3	4	4	3	3
Wind Direction(Degree)	240	236	235	229	229
Cloud Cover(Octa)	4	5	5	5	4
Warning	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	No Warning	No Warning

Forecast Summary:

According to the weather forecast received from India Meteorological Department, the district is likely to receive light rain up to Saturday with partly to generally cloudy sky. The wind speed is likely to remain within 03.0 to 04.0 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 26.0°C respectively. Relative humidity during the morning and the afternoon may range between 93 to 96 percent and 64 to 75 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 35.3°C and the mean minimum daily temperature was 24.9°C of the Gajapati district during the last week. The district received 13.5 mm of rainfall during the last week. In low land, go for transplanting of 21 days rice seedlings in the main field. In medium lands the duration of the rice variety should be of shorter duration (less than 10-15 days) than normal where sowing/ nursery raising has not been done. Varieties such as Sahabhazi Dhan, Bina 11, DRR 39, 42, Mandakini may be taken. In paddy field 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. Make provisions for drainage, where kharif maize or pulses etc. have been sown. Cover the vegetable nursery with polythene to protect it from heavy rain and make drainage arrangement. As thunderstorm with lightning are expected for the upcoming two 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. 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.

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)	Apply 35 kg DAP, 27 kg Potash and 8 kg Urea per acre during last puddling. For sandy soil apply 35 kg DAP, 15 kg Potash and 8 kg Urea per acre during last puddling. Transplanting of 20-25 days old seedlings should be done at a spacing of 20x15 cm, plant 2-3 seedlings per hill for high yielding varieties. In clear weather condition use pre-emergence herbicide Pretilachlor @ 800 ml/acre or Oxadiargyl 80%W. P @ 30gm/acre or Pyrazosulfuron Ethyl 10%W.P @ 80gm/acre at 1-3 DAT. Spray the herbicide by mixing it in 200 litres of water per acre or Mix the herbicide with 20 kg of sand and broadcast it uniformly. Always use flat-fan or flood-jet nozzle and clean water for herbicide spraying.
MAIZE (Vegetative)	Hand weeding and earthing up should be done at 20-25 DAS. Apply 55-kg of urea per acre at this stage as first top dressing. Again at 40-45 DAS or before tasseling apply 55-kg of Urea and 20-kg of MOP as second top dressing.
COTTON	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 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)	Create drainage channel to drain away excess rain water. 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 during clear weather.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
PUMPKIN (Fruit formation)	There are chances of infestation of Downy Mildew disease in cucurbit vegetables. To manage Downy Mildew disease in cucurbits spray Copper Hydroxide 77 % WP @ 3-gram/litre or Fosetyl -AL 80 % WP @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre after completion of rainfall.
TOMATO (Nursery/ seedling)	August to September is the optimum time for Tomato planting. Suitable Improved Varieties: Utkal Kumari (BT-10), Utkal Deepti (BT-2), Utkal Raja, Utkal Pragyan and Swarna Sampad. Hybrid Varieties: Arka Rakshak, Arka Samrat, Arka Abhed, Pusa hybrid 6, Pusa hybrid 1, Pusa hybrid 2. Seed rate: 150 to 200 gram/acre for HYVs and 50-60 gram/acre for Hybrid.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
COW	During rainy season keep the animals indoors. Feeds and feed ingredients should be stored in a dry, elevated area that is protected from rain and moisture. During the rainy season, animals should be provided with good-quality and adequate quantities of green fodder, dry fodder, and concentrate feed. Provide vaccinations for diseases common during the rainy season, including Foot-and-Mouth Disease (FMD), Hemorrhagic Septicemia (HS) and Black Quarter (BQ).
GOAT	Keep dry fodder and straw ready at home for sheep and goat in rainy season and ensure the practice of flushing to give balanced concentrate to sheep and goat one month prior to kidding and lambing.

Fisheries Specific Advisory:

Fisheries	Fisheries Specific Advisory
COMMON FISH	Chemical methods of weed control include application of Glyphosate @ 1.2kg/ac, 2,4- D @ 2.8- 4kg/ ac, Simazine @ 0.3- 0.5 ppm or 0.003ml/10 liter etc. Biological methods of weed control include usage of fishes like grass carp @100 to 200 numbers with 50 to 100 gram weight.

Poultry Specific Advisory:

Poultry	Poultry Specific Advisory
CHICKEN	Please ensure filling of holes and crevices of poultry house in rainy days otherwise that will facilitate the entry of snakes and reptiles, which may kill the birds.

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)

<p>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</p>

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/>

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Damini MobileApp link : https://play.google.com/store/apps/details