



Agromet Advisory Bulletin

Date : 2025-06-24

Weather Forecast of District GAJAPATI (Odisha) Issued On : 2025-06-24 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-06-25	2025-06-26	2025-06-27	2025-06-28	2025-06-29
Rainfall(mm)	20.0	12.0	15.0	15.0	8.0
Tmax(°C)	36.0	35.0	34.0	34.0	35.0
Tmin(°C)	24.0	24.0	23.0	23.0	24.0
RH-I(%)	92	90	92	91	91
RH-II(%)	71	63	63	68	69
Wind Speed(kmph)	6	5	3	5	5
Wind Direction(Degree)	263	249	249	252	262
Cloud Cover(Octa)	7	6	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 Saturday with generally cloudy sky. The wind speed is likely to remain within 03.0 to 06.0 kmph for the next five days. The daily maximum and minimum temperature may range from 34.0°C to 36.0°C and 23.0°C to 24.0°C respectively. Relative humidity during the morning and the afternoon may range between 90 to 92 percent and 63 to 71 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

No Impact

General Advisory:

The mean maximum daily temperature was 35.0°C and the mean minimum daily temperature was 24.3°C of the Gajapati district during the last week. The district received 28.1 mm of rainfall during the last week. For one-acre area of paddy transplanting 400 m² (10 Decimal) size of land is required for nursery raising. Before sowing, paddy seeds should be treated with Trichoderma powder formulation @ 10g/kg of seeds or any other seed treating chemicals like Thiram 75% @ 3 gm or Captan 50% @ 3 gm per kg of seeds procured from the Government approved agencies. Go for non-paddy crops in the upland to avoid terminal drought. Intercropping of cereals+pulses/oilseeds is recommended. Go for early sowing/transplanting as far as possible to complete these by mid-August. Go for medium duration rice varieties in medium land. Go for line sowing of rice followed by early weeding and weeding. This will avoid the rainfall required for transplanting, and over-aged seedlings if transplanted late.

SMS Advisory:

Drain out excess moisture from the non-paddy crops, make proper drainage channel and keep the channel open.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Sowing)	Irrigation should be done in nursery field and puddle it 2-3 times followed by planking. Apply 200 kg of FYM , 4 kg of DAP ,2.5 kg of MOP and 1 kg of Zinc sulphate during last puddling. Divide nursery area into smaller plots of 1.5-metre-long, 10 cm height and convenient length. Irrigation channels of size 30 cm in width should be made along the beds for irrigation/drainage. Sprouted Seeds should be sown @ 40-50 gram/ m ² area of seed bed by line sowing with 5 cm gap between each line or direct broadcasting and put dried compost over seeds Apply light irrigations to the nursery area particularly in the evening so that the field remains wet and do not keep standing water.
GROUNDNUT (Sowing)	Use suitable variety of Groundnut like Devi (ICGV-91114), Kadri-6, Kadri-9, TG-37A, TAG-51, TAG-38, TAG-24, Smruti, CO-7, Dharani etc. Treat the seeds with recommended species of Rhizobium bacterial culture @ 20 gm/kg of seeds before 1 hour of sowing.
MAIZE (Sowing)	To avoid the infestation of Fall Army Worm seed treatment is mandatory that saves the plant from insect attack in the initial stages of crop growth. Treat 1-kg seeds with 4-ml Cyantraniliprole 19.8% + Thiomethoxam 19.8% FS.
PIGEON PEA (RED GRAM/ARHAR) (Sowing)	Seed treatment can be done with Carbendazim 50 % WP @ 2- gram/ kg of seeds or Carboxin 37.5 % + Thiram 37.5% D.S WP (Vitavax power/Vaccinator Power. Treat the seeds with recommended species of Rhizobium bacterial culture @ 20 gram/kg of seeds before 1 hour of sowing. The gap between chemical seed treatment and Rhizobium treatment should be at least 7 days.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
BRINJAL (Nursery Bed Preparation)	To control damping-off disease of brinjal seedlings in the nursery, after cessation of rainfall drench the nursery bed soil with a solution of 20 g Metalaxyl 4% + Mancozeb 64% WP in 10 litres of water. The brinjal seedlings become ready for transplanting after 25–30 days of sowing. In the evening one day before uprooting the seedlings for transplanting, drench the nursery bed soil with a solution of 10 g Trichoderma viride (1% WP) or Trichoderma harzianum (1% WP) mixed in 10 litres of water to suppress soil-borne pathogens and promote healthy root growth.

Horticulture (Stage)	Horticulture Specific Advisory
Menacinakahi (Fruit Maturity)	Typical disease symptoms involve progressive wilting of the plant along with upward and inward leaf curling. Initial signs include slight foliar yellowing and upper leaf wilting, which eventually develop into permanent wilting with persistent leaf attachment. This is followed by complete yellowing and leaf senescence. Effective control can be achieved through spraying a mixture of Carbendazim and Mancozeb at 400 g per 200 L water per acre after cessation of rain.
CHILLI (Fruit Maturity)	Typical disease symptoms involve progressive wilting of the plant along with upward and inward leaf curling. Initial signs include slight foliar yellowing and upper leaf wilting, which eventually develop into permanent wilting with persistent leaf attachment. This is followed by complete yellowing and leaf senescence. Effective control can be achieved through spraying a mixture of Carbendazim and Mancozeb at 400 g per 200 L water per acre after cessation of rain.
BANANA (Fruit formation)	To prevent stem weevil, install Cosmolure pheromone traps @ 10/acre in banana garden. Dip the banana stem in warm water for 30 minutes before planting. Fill the pit with 25 g neempedia or 25-50 g any granular insecticide before planting. Cut the affected plant into pieces and dry under sun. Keep the banana garden neat and clean. Inject the pseudostem with Imidacloprid 30 SL at 45 degree angle @ 2ml/plant.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
COW	Stomatitis in livestock is characterized by inflammation or ulceration of the oral cavity, including the tongue, and is commonly induced by dietary irritants, pathogenic infections (bacterial or viral), or rough-textured fodder. Affected animals show signs include reduced feed intake (anorexia) and hypersalivation. As an initial step, inspect and remove any extraneous material from the animal's oral cavity. Perform an antiseptic wash of the oral cavity using a 1–2% solution of sodium bicarbonate or potassium permanganate to mitigate infection risk. Administer 1% boro-glycerine topically within the oral cavity to alleviate mucosal irritation. Ensure the animal receives clean water, balanced feed, and minimal physical stress during recovery.
GOAT	Ticks and lice live under the hair of the body by taking blood from the host as a result of which the animal suffers from anaemia and dies. Besides, these ectoparasites bite the skin of the animal causing irritation and wound in the body. Go for the treatment of infected animal. It should be remembered that all the animals and the shed should be sprayed at a time otherwise there will be reoccurrence. Special care should be taken to debilitated and diseased animals during medication. The medicine should be used in clear weather condition and after providing sufficient feed and water. If any side effect persists, consultation with a veterinary doctor is essential.

Likely impacts of weather warnings (General)

Yellow Warning (Be Aware): Thunderstorms & Lightning, Squall etc; Strong Surface Winds
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Impact based advisories (General)

Farmers are advised to withheld irrigation and application of fertilizer and pesticides to standing crops for the time being. Keep the harvested produce in safer place. As gusty winds are expected, provide

Support to standing crops (like banana, papaya) with stakes or earthing up to prevent lodging. As thunderstorm with lightning are expected on tomorrow, so farmers are advised not to stay in open fields, near trees, or water bodies during thunderstorms. Unplug farm equipment, motors, and irrigation pumps to avoid damage. To avoid the damage due to rain in cucurbitaceous vegetables, pluck all the harvestable fruit from the vine. To avoid the physical damage, strengthen the vine by staking. Provide clean and adequate water to the cattle. Keep livestock inside the shelter when it rains or during thunderstorm activity. Repair water harvesting structures to store excess rain water for utilization in case of early or mid season droughts.

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>