



Agromet Advisory Bulletin

Date : 2025-10-31

Weather Forecast of District GAJAPATI (Odisha) Issued On : 2025-10-31 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-11-01	2025-11-02	2025-11-03	2025-11-04	2025-11-05
Rainfall(mm)	5.0	4.0	2.0	3.0	1.0
Tmax(°C)	30.0	31.0	31.0	32.0	32.0
Tmin(°C)	21.0	21.0	21.0	20.0	20.0
RH-I(%)	97	95	94	95	95
RH-II(%)	69	62	65	69	72
Wind Speed(kmph)	3	4	3	3	2
Wind Direction(Degree)	291	311	319	340	351
Cloud Cover(Octa)	4	4	3	2	2
Warning	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	No Warning	No Warning	No Warning

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 Tuesday with mainly clear to partly cloudy sky. The wind speed is likely to remain within 02.0 to 04.0 kmph for the next five days. The daily maximum and minimum temperature may range between 30.0°C to 32.0°C and 20.0°C to 21.0°C respectively. Relative humidity during the morning and the afternoon may range between 94 to 97 percent and 62 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

Damage and lodging, Shattering of matured pods in rice, pulses and oilseeds 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 30.3°C and the mean minimum daily temperature was 22.1°C of the Gajapati district during the last week. The district received 172.7 mm of rainfall during the last week. Go for the sowing of pre-rabi crops like blackgram, greengram, horsegram, sesame, sunflower and cucurbits in up-medium land. Go for sowing of vegetable crops like Pea, carrot, radish etc. Harvest the crop when 80-85% of the grains are matured either manually by sickle or by using combine harvester or reaper. Paddy grains need to be sun-dried to 14% moisture content for

consumption purpose and for seed purpose it should be dried to 12% moisture for better self-life. Harvest the matured maize and vegetables and keep it in safe place.

SMS Advisory:

Collect the rain water in water harvesting structures for future use and also in paddy fields where the crop is at panicle emergence and grain filling stage.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Hard Dough)	The transplanted paddy is at flowering to grain maturity stage in the main field. 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. Warm, moist weather, low temperature (<28oC) favours Yellow stem borer. To manage stem borer in paddy at early stage of crop, apply Cartap Hydrochloride 4 % G @ 8-kg/acre or Chlorantraniliprole 0.4 % GR @ 4-kg/acre or Chlorantraniliprole 18.5 SC% @12gm/acre or Imidacloprid 0.3% GR @ 6-kg/acre by mixing it with sand at 1:1 ratio. Instead of this apply Chlorantraniliprole 18.5% SC @ 60 ml/acre. High humidity and high rainfall favours Leaf Folder and Caseworm pest. To control Leaf Folder and Caseworm pest biologically apply 2 no. of Trichogramma chilonis card per acre. In field move a string over the paddy crop by stretching at both the ends of the field. By this method the larva of insects falls to the water and gets killed. To manage Leaf Folder and Case Worm pests in paddy spray Fipronil 5% SC @ 400-ml/acre or Profenophos 50% EC @ 400-ml/acre or Chlorantraniliprole 18.5% SC @ 60-ml /acre.
COTTON	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)	The crop is at grand vegetative growth to flower initiation (fifteen to sixteen week) stage. Leaf webber infestation may occur during this stage. To control leaf webber in Arhar spray 400 ml Chloropyriphos 50% + Cypermethrin 5% EC or 400ml profenophos 50% EC mixing with 200 lit of water per acre crop area.
GROUNDNUT	The crop is at maturity to harvesting stage. Harvest the matured pods and dry under sun for 3-4 days.
FINGER MILLET	The ragi crop is at maturity (fifteen to sixteen week) stage.
MUSTARD	Suitable time for sowing is from Mid-October to Mid-November. Treat the seed with Thiram @ 2.5g/kg or Bavistin @ 2g/kg seed before sowing. Seed rate for Mustard 2.5 – 3 kg/acre and 1.5-2.0 kg/acre is for Toria. Suitable variety: Mustard-Pusa bold, Pusa Jaikisan, JD-6. Toria- Susree, M 29, Anuradha, Parbati.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
BRINJAL	To control Phomopsis Blight disease in Brinjal spray Metalaxyl 8%+ Mancozeb 64 % WP @ 400 gram/acre or Propineb 70 % WP @ 400-gram/acre.

Horticulture (Stage)	Horticulture Specific Advisory
TOMATO	For Tomato apply 20 kg Urea, 52 Kg DAP and 20Kg MOP as basal fertilizer and maintain row to row spacing of 60 cm and plant to plant spacing of 45 cm.
CABBAGE	Apply 33-kg of Urea and 23 kg MOP per acre after hoeing and hand weeding at 15-20 DAT and 33 kg of urea and 23-kg of MOP per acre as last top-dressing fertilizer at 30-35 DAT. If Borax was not applied during transplanting of seedlings than spray Borax @ 4 kg/acre or Folibor /Solubor @ 1.5 gram/litre. Spraying of Boron micronutrient should be done after two weeks of transplanting and two weeks before curd formation.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
COW	Deworm the cattle and buffalo in regular interval and vaccinate them also. If the animal is not coming to heat even after 4 years consult with the veterinary doctors and follow the doctor's advice for onset of puberty.
GOAT	Regularly check animals for signs of dehydration, heat stress, and parasitic infections. Deworm animals as needed and vaccinate them against common diseases such as foot-and-mouth disease, PPR

Poultry Specific Advisory:

Poultry	Poultry Specific Advisory
CHICKEN	Raised platforms and deep litter systems in poultry houses help in maintaining cleanliness and temperature control. Regularly clean and disinfect the house to prevent the buildup of pathogens in the high-humidity conditions after rain. Maintain appropriate stocking density to reduce stress and prevent overheating.

Likely impacts of weather warnings (General)

<input type="checkbox"/> Damage and lodging, Shattering of matured pods in rice, pulses and oilseeds <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

Impact based advisories (General)

<p>1. Damage and lodging, shattering of matured grains/pods in rice, pulses and oilseeds • Make arrangements for drainage in green gram and black gram • Harvest the matured arhar, mung, black gram before the rain as soon as possible to avoid quality deterioration. 2. 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 li</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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