



Gramin Krishi Mausam Sewa
Agromet Advisory Bulletin for JAGATSINGHAPUR District
Orissa University of Agriculture & Technology
 Bhubaneswar, Orissa



Agromet Advisory Bulletin

Date : 2026-04-07

Weather Forecast of District JAGATSINGHAPUR (Odisha) Issued On : 2026-04-07 (Valid Till 08:30 IST of the next 5 days)

Parameter	2026-04-08	2026-04-09	2026-04-10	2026-04-11	2026-04-12
Rainfall(mm)	17.0	10.0	5.0	5.0	0.0
Tmax(°C)	33.0	34.0	33.0	34.0	34.0
Tmin(°C)	25.0	25.0	25.0	22.0	22.0
RH-I(%)	87	86	87	87	88
RH-II(%)	59	56	55	47	33
Wind Speed(kmph)	2	16	19	12	11
Wind Direction(Degree)	14	204	189	212	229
Cloud Cover(Octa)	6	5	4	3	1
Warning	Heavy Rain; Thunderstorms & Lightning, Squall etc	Thunderstorms & Lightning, Squall etc	Thunderstorms & Lightning, Squall etc	Thunderstorms & Lightning, Squall etc	No Warning

Forecast Summary:

Moderate rainfall accompanied by thunderstorms, lightning, and squally winds with an orange warning is likely on 8th April. This will be followed by light to very light rainfall, with a yellow warning for thunderstorms and lightning continuing until 11th April. Mostly dry weather is expected on 12th April. The sky is likely to remain generally cloudy over the district on 8th and 9th April, becoming partly cloudy to mainly clear thereafter. Wind speeds during this period are expected to range between 2 and 19 km/h. Maximum temperatures are likely to hover around 33°C to 34°C, while minimum temperatures may vary between 22°C and 25°C.

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

Moderate rainfall accompanied by thunderstorms, lightning, and squally winds with an orange warning is likely on 8th April, followed by light to very-light rainfall accompanied by thunderstorms, lightning, and squally winds with a yellow warning till 11th April.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Crop lodging, grain quality degradation, fruit drop in horticultural crops, and livestock risk due to lightning. 1. If crops are at the physiological maturity stage, harvest them immediately and move the

produce to a safe, covered location. 2. Ensure proper drainage channels are clear in the fields to prevent waterlogging, which can lead to root rot in vegetables and pulses. 3. Postpone all irrigation, chemical spraying (pesticides/fungicides), and fertilizer applications until April 11th, as the rain will wash them away and winds will cause drift. 4. Keep animals indoors in stable sheds. Avoid tying them under trees, near electric poles, or close to water bodies during thunderstorms. 5. Farmers should avoid working in open fields during lightning. If caught outside, do not take shelter under tall trees.

General Advisory:

□ Apply mulch (paddy straw or organic materials) in vegetable fields to conserve moisture and reduce evaporation as temperatures rise later. □ Humid and cloudy conditions favour pests like thrips, mites, and diseases (blight, rot). Monitor fields regularly. Apply neem-based formulations or recommended pesticides only on dry days. Avoid chemical sprays during rain. □ High temperature followed by intermittent thunder shower will favour in build-up BPH infestation. If infestation of Brown Plant Hopper exceeds ETL (ETL: 5-10 hoppers/hill), it is advised to alter the micro-climate of the rice plant by alternate wetting and drying technique (there should not be standing water for long time). □ To manage BPH and WBPH in paddy avoid excess use of nitrogenous fertilizer. Make alleys at 6 feet spacing for sunlight entry and proper aeration below the crop zone. □ Keep animals indoors during thunderstorms and lightning. Provide clean drinking water and adequate shelter. □ Ensure proper ventilation in sheds to avoid humidity-related stress. Monitor for heat stress as maximum temperatures remain high (33–37°C). □ Farmers should avoid working in open fields during thunderstorms and lightning. Seek shelter immediately if thunder is heard. □ Use wide-brimmed hats and light clothing during fieldwork as temperatures are warm.

SMS Advisory:

□ Postpone sowing, transplanting, spraying, and harvesting operations from 8th to 10th April due to expected rain and gusty winds.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Panicle Initiation)	BPH and WBPH- The present high temperature and intermittent thunder shower is favourable for Brown Plant Hopper (BPH) and White Backed Plant Hopper (WBPH) infestation in paddy. Avoid excess use of nitrogenous fertilizer. Do not keeping standing water in the field for longer period. Alter the microclimate 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. Swarming Caterpillar After receding of rain water there is a chance of infestation of Swarming Caterpillar. To control this spray Chlorpyriphos 50 % + Cypermethrin 5 % EC @ 400 ml/acre or Lambda-cyhalothrin @ 400 ml/acre during clear weather conditions.
BLACK GRAM (Pod Development)	Tobacco Caterpillar – Check the migration of caterpillars by dusting with Chlorpyriphos 1.5 % D @ 10 kg around the field. For chemical control during clear weather condition spray Novaluron 5.25 %+ Indoxacarb 4.25 % @ 400-ml/acre or Lambda Cyhalothrin 4.9 CS @ 300 ml or Flubendiamide 20 % WG @ 120 gram. For spraying of insecticides 200 litre of water per acre is required.
SUGARCANE (Vegetative)	Grassy shoot disease- There are chances of grassy shoot disease incidence in sugarcane crop. To manage this disease, select healthy and disease-free setts. Uproot and dispose the infected plants by burning. To manage the vector (Aphids) of the disease spray Thiamethoxam 25% W.G @ 40 g/acre or Acetamiprid 20% S.P. @ 50 g/acre or Imidacloprid 17.8% SL @ 60ml/acre by mixing in 200 litres of water during clear weather condition.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
Menacinakahi (Fruit formation)	Fruit rot and die back management There are chances of fruit rot and die back disease incidence in chilli crop. To manage these disease spray Propineb 70 % WP @ 500 gram/acre or Difenconazole 25 % EC @ 100-ml/acre or Azoxystrobin 23 % SC @ 200-ml/acre. The fungicide should be sprayed first just before flowering and second at fruit formation stage.
CHILLI (Fruit formation)	Fruit rot and die back management There are chances of fruit rot and die back disease incidence in chilli crop. To manage these disease spray Propineb 70 % WP @ 500 gram/acre or Difenconazole 25 % EC @ 100-ml/acre or Azoxystrobin 23 % SC @ 200-ml/acre. The fungicide should be sprayed first just before flowering and second at fruit formation stage.
POINTED GOURD (PARWAL) (Fruit formation)	Pointed gourd is at flowering and fruiting stage. Don't go for weeding. Grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot.
OKRA/ LADYFINGER (Vegetative)	Yellow mosaic viral disease (YMV) To control YMV disease whitefly management should be done. Diseased plants should be rogued out to prevent further spread of the disease. During clear weather condition to manage whitefly infestation at early stage of crop spray Neem based pesticide 1500 PPM @ 600 ml/acre by mixing in 200 litre of water. If the infestation is severe than go for chemical pesticide like Thiamethoxam @ 40- gram/acre or Acetamiprid @ 50 g /acre by mixing in 200 litre of water.
CUCUMBER (Fruit formation)	Epilachna Beetle/Hadda Beetle To control Epilachna Beetle spray neem-based pesticide (Azadirachtin) 1500 PPM @ 3 ml/litre of water at early stage of infestation. Spray Chlorpyrifos 20 % EC @ 2 ml/litre of water or Profenophos 50 % EC @ 2 ml/litre of water during clear weather condition.
BRINJAL (Fruit formation)	Whiteflies management To manage whiteflies pest in Tomato and Brinjal crop, use yellow sticky traps @ 8-10/acre to attract and kill the insects. During primary stage of pest infestation spray neem-based pesticide (Azadirachtin) 1500 PPM @ 600-ml/acre by mixing in 200-litre of water. To manage this pest chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Pyriproxifen 10% EC @ 200-ml/acre or Spiromesifen 22.9% SC @ 250-ml/acre by mixing in 200- litre of water.

Likely impacts of weather warnings (General)

Crop lodging, grain quality degradation, fruit drop in horticultural crops, and livestock risk due to lightning.

Impact based advisories (General)

April 8: Orange Warning: Stop all field work; secure harvested grain; make drainage; protect livestock.
April 9 to 11: Yellow Warning: Monitor for pests/fungus; clear drainage; avoid spraying.

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/>

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

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