



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



Agromet Advisory Bulletin

Date : 2026-03-31

Weather Forecast of District JAGATSINGHAPUR (Odisha) Issued On : 2026-03-31 (Valid Till 08:30 IST of the next 5 days)

Parameter	2026-04-01	2026-04-02	2026-04-03	2026-04-04	2026-04-05
Rainfall(mm)	3.0	4.0	0.0	0.0	0.0
Tmax(°C)	32.0	35.0	34.0	34.0	34.0
Tmin(°C)	27.0	27.0	28.0	26.0	26.0
RH-I(%)	90	86	86	85	86
RH-II(%)	46	42	36	38	33
Wind Speed(kmph)	11	17	14	20	20
Wind Direction(Degree)	209	205	223	224	224
Cloud Cover(Octa)	3	3	1	1	1
Warning	Thunderstorms & Lightning, Squall etc	Thunderstorms & Lightning, Squall etc	No Warning	No Warning	No Warning

Forecast Summary:

As per the forecast received from IMD, the district of Jagatsinghpur may likely to receive light rainfall on next Wednesday & Thursday and dry weather on other days. The sky condition may remain mainly clear to partly cloudy until Sunday. In the next five days, the wind may blow at 11- 20 km/h. The daily maximum and minimum temperatures will likely remain 32 - 35°C and 26-28°C, respectively.

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

Thunderstorms and lightning warning for the next two days.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

□ As there is a chance of thunderstorm and lightening activity, 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. □ During thunderstorms, unplug all farm equipment, motors, and irrigation pumps to avoid damage. Do not touch electrical wires, metal fences, or use mobile phones while in open areas.

General Advisory:

□ So, keeping in view weather forecast, farmers are advised to withhold fertilizer and pesticide application for the next two days. □ Harvest the Green gram, black gram and groundnut crop at physiological maturity stage and make their safe storage. □ Farmers are advised to make bund for conserving rain water in the paddy field. Bund should be higher and wider so that more rain water can be conserved in the field. □ Keep the drainage channel open in non paddy and vegetable crops. □ In view of forecasted thunderstorm accompanied with gusty winds, provide mechanical support to cucurbits and staking to Tomato, Banana and Papaya plants. □ Tie sugarcane leaves from four to five plants together to prevent lodging and provide staking. □ Harvest the mature vegetables immediately. Cover the harvested produce with polythene sheet. □ As there is a chance of thunderstorm and lightening activity, 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. □ During thunderstorms, unplug all farm equipment, motors, and irrigation pumps to avoid damage. Do not touch electrical wires, metal fences, or use mobile phones while in open areas. □ Pluck the marigold, rose, chrysanthemum flowers as their quality may deteriorate because of untimely rainfall. □ Provide sufficient clean drinking water to dairy animals and Poultry birds.

SMS Advisory:

□ In view of forecasted thunderstorm accompanied with gusty winds, provide mechanical support to cucurbits and staking to Tomato, Banana and Papaya plants.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Booting)	□ 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.
GROUNDNUT (Physiological Maturity)	□ Harvesting of Groundnut should be done when 75-80 % of pods are fully matured. The important indication of maturity is yellowing of foliage and necrotic spotting of leaves and dropping of older leaves. Pods become very hard and inside the shell turns dark with netted venation. After uprooting the plants keep them upside down for two to three days and then separate the pods. At the time of harvesting pods usually have moisture content around 40-50% and hence need to be dried under direct sunlight to bring moisture content below 10% for safe storage. There are chances of fungal infection if the seed moisture content is above the critical level of 10%.
GREEN 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
BRINJAL (Fruit formation)	☐ Fruit and Shoot borer Install pheromone trap/Wata trap @ 8 nos. per acre area at vegetative stage and replace lure after 3 weeks. To control chemically, during clear weather condition spray Spinosad 45% SC @ 5.5 ml by mixing with 15 liters of water or Thiodicarb 75 % WP @ 2ml/ltr of water during clear weather conditions.
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 (Fruit formation)	☐ 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 (Flower Initiation)	☐ 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.
ONION (Maturity and Harvesting)	☐ Avoid moisture stress condition during bulb formation stage. Stop irrigating to the crop 15 days before harvest. Store the harvested onion in well-ventilated room to protect the crop from sprouting.

Poultry Specific Advisory:

Poultry	Poultry Specific Advisory
CHICKEN	☐ Management of fowl pox disease Fowl Pox disease can be prevented by periodic vaccination and by keeping poultry house neat and clean. This disease spread from one bird to another through wound and insect bite. Up to 50% chicks/ducklings may die because of this disease. In adult birds there is reduction in growth rate and egg production. Therefore, vaccinate your Chickens and Ducks at 6th and 16th weeks of age after consulting with your local VAS. There is scab or wart like lesions on featherless part of the body such as comb and wattles. If you see these lesions, keep the affected birds separately, consult the local VAS immediately and begin the treatment accordingly.

Likely impacts of weather warnings (General)

Nil

Impact based advisories (General)

Nil

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>