



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



Agromet Advisory Bulletin

Date : 2026-04-02

Weather Forecast of District JAGATSINGHAPUR (Odisha) Issued On : 2026-04-02 (Valid Till 08:30 IST of the next 5 days)

Parameter	2026-04-03	2026-04-04	2026-04-05	2026-04-06	2026-04-07
Rainfall(mm)	0.0	0.0	0.0	5.0	8.0
Tmax(°C)	34.0	37.0	34.0	33.0	33.0
Tmin(°C)	27.0	28.0	28.0	25.0	25.0
RH-I(%)	85	85	89	92	86
RH-II(%)	35	34	37	36	40
Wind Speed(kmph)	18	19	18	16	8
Wind Direction(Degree)	222	217	219	226	317
Cloud Cover(Octa)	0	2	1	4	5
Warning	Hot Day	Hot Day	Hot Day	No Warning	Thunderstorms & Lightning, Squall etc

Forecast Summary:

As per the forecast received from IMD, the district of Jagatsinghpur may likely to receive light rainfall on next Monday & Tuesday and dry weather on other days. The sky condition may remain clear to generally cloudy until Tuesday. In the next five days, the wind may blow at 08- 19 km/h. The daily maximum and minimum temperatures will likely remain 33 - 37°C and 25-28°C, respectively.

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

Hot day warning for next three days and Thunderstorms with lightning warning for the next Tuesday.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

□ Considering the forecast of high day temperature along with hot day condition in few places, farmers are advised to avoid working during peak hot hours (12 PM to 4 PM) and use a wide brimmed hat or cloth to cover the head and neck. □ 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.

General Advisory:

□ In paddy crop, Panicle initiation, Panicle emergence, flowering and milking stages are the critical stages. In these stages water scarcity or deficit of water causes comparatively greater reduction in yields. Hence, water deficit during these stages should be avoided. □ Harvest the Green gram, black gram and groundnut crop at physiological maturity stage and make their safe storage. □ 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. □ Cover the rows with dry leaves in Sugarcane. Top-dress with 4% potassium to protect crop from water scarcity during summer. □ In shallow ponds, harvest fingerlings, if water temperature rises to 30 0C. Ensure enough water depth before introducing fingerlings in a pond. □ There are chances of incidence of both fungal and bacterial diseases like leaf blight, wilt, and rot in different standing crops. To manage these diseases, during clear weather condition spray Metalaxyl+ Mancozeb @ 2g/litre of water or Carbendazim+ Mancozeb @ 2gr/litre of water along with Plantomycin @ 1g/ litre of water. □ Provide sufficient clean drinking water to dairy animals and Poultry birds. □ Use umbrella or wet cloth on head to protect from sun rays during the day time. □ Considering the forecast of high day temperature along with hot day condition in few places, farmers are advised to avoid working during peak hot hours (12 PM to 4 PM) and use a wide brimmed hat or cloth to cover the head and neck.

SMS Advisory:

□ Provide sufficient clean drinking water to dairy animals and Poultry birds.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Heading)	□ 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 keep 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 Chlorpyrifos 50 % + Cypermethrin 5 % EC @ 400 ml/acre or Lambda-cyhalothrin @ 400 ml/acre during clear weather conditions.
GROUNDNUT (Harvesting)	□ 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%.
BLACK GRAM (Pod Development)	□ Tobacco Caterpillar – Check the migration of caterpillars by dusting with Chlorpyrifos 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 (Harvesting)	☐ For long term storage of chilli, first pick the ripened chilli fruits from plants and shade dry for 3 to 4 days. In this process we can get uniform colour fruits. Again, sundry the fruits for 3 to 4 days and reduce 10% of moisture content from it. Store it in a gunny bag without any contact to wall and floor. For uniform colour and more selling of the chilli fruits mix one quintal chilli with 25 liter of water, 625gram potassium carbonate, 250ml refine groundnut oil, 25gram babul gum and 0.25gm butylated hydroxy anisole and keeps it for 5 min. After removal of water keep it in a clean and well-ventilated room.
CHILLI (Harvesting)	☐ For long term storage of chilli, first pick the ripened chilli fruits from plants and shade dry for 3 to 4 days. In this process we can get uniform colour fruits. Again, sundry the fruits for 3 to 4 days and reduce 10% of moisture content from it. Store it in a gunny bag without any contact to wall and floor. For uniform colour and more selling of the chilli fruits mix one quintal chilli with 25 liter of water, 625gram potassium carbonate, 250ml refine groundnut oil, 25gram babul gum and 0.25gm butylated hydroxy anisole and keeps it for 5 min. After removal of water keep it in a clean and well-ventilated room.
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.
BITTER GOURD (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 Chlorpyriphos 20 % EC @ 2 ml/litre of water or Profenophos 50 % EC @ 2 ml/litre of water during clear weather condition.
ONION (Fruit formation)	☐ 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 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>