



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



Agromet Advisory Bulletin

Date : 2026-01-02

Weather Forecast of District JAGATSINGHAPUR (Odisha) Issued On : 2026-01-02 (Valid Till 08:30 IST of the next 5 days)

| Parameter | 2026-01-03 | 2026-01-04 | 2026-01-05 | 2026-01-06 | 2026-01-07 |
|------------------------|------------|------------|------------|------------|------------|
| Rainfall(mm) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Tmax(°C) | 27.0 | 25.0 | 28.0 | 28.0 | 27.0 |
| Tmin(°C) | 13.0 | 14.0 | 15.0 | 13.0 | 12.0 |
| RH-I(%) | 83 | 82 | 86 | 90 | 86 |
| RH-II(%) | 37 | 40 | 43 | 42 | 39 |
| Wind Speed(kmph) | 8 | 8 | 8 | 8 | 8 |
| Wind Direction(Degree) | 345 | 340 | 336 | 336 | 345 |
| Cloud Cover(Octa) | 1 | 2 | 1 | 1 | 1 |
| Warning | Fog | Fog | Fog | Fog | Fog |

Forecast Summary:

As per the forecast received from IMD, dry weather with dense fog may prevail over the district of Jagatsinghpur for the next five days. The sky condition may remain mainly clear until Wednesday. In the next five days, the wind may blow at 08 km/h. The daily maximum and minimum temperatures will likely remain 25 - 28°C and 12-15°C, respectively.

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

Fog warning for the next five days.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from fog, low temperature and moisture stress.

General Advisory:

As per the district level weather forecast issued by IMD, dry weather with dense fog may prevail over the districts of Jagatsinghpur, Kendrapara, Khordha and Puri for the next five days. Continue the sowing of pre-germinated treated paddy seeds in puddled soil either broadcasting or by using drum seeder. Maintain only a thin film of water for proper establishment and early growth of Rice seedlings. During cool winter days to protect the rice nursery from cold injury, apply a thin layer of well decomposed FYM after sowing of seeds in wet bed to keep the bed relatively warm. Preferably use bore well water for irrigation at evening and drain out the cold water at morning to maintain the soil

temperature favourable for growth. In severe cold affected areas use polythene cover at night time. □ Treat the paddy seeds with Carbendazim 50% W.P @ 1.5-gram/1-kg of seeds or Carboxin 37.5% + Thiram 37.5 % @ 3- gram /1 kg of seeds before sowing in the nursery. □ Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from fog, low temperature and moisture stress. □ Sunflower crop is at 25-30 days stage. Go for hoeing and weeding and thinning and apply N -fertilizer. □ For better tuber growth in potato, soil temperature below 30°C should be maintained. Therefore farmers are advised to irrigate the field. □ Due to low night temperature, there will be chance of infestation of sucking pests, leaf blight, powdery mildew in the Rabi crops and vegetables. Monitor the crops and vegetables, if symptoms are noticed, undertake appropriate plant protection measures.

SMS Advisory:

□ Continue the sowing of pre-germinated treated paddy seeds in puddled soil either broadcasting or by using drum seeder.

Crop Specific Advisory:

| Crop (Stage) | Crop Specific Advisory |
|--------------------------|---|
| RICE (Nursery/ seedling) | □ Nursery Management Prepare the wet nursery seedbed for paddy. Irrigate the 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 convenient length. Irrigation channels of size 30 cm in width should be made along the beds for irrigation/drainage purpose. Sprouted Seeds should be sown @ 40-50 g / m ² area of seed bed by line sowing with 5 cm gap between each line. □ Seed treatment Treat the paddy seeds with Carbendazim 50% W.P @ 1.5 g/1kg of seeds or Carboxin 37.5% + Thiram 37.5 % @ 3 g /1 kg of seeds before sowing in the nursery. |
| GROUNDNUT (Vegetative) | □ Prevailing weather condition favours the development of sucking pest like aphid, jassids and whitefly. Install yellow sticky trap @ 8nos/acre to monitor the pest population. Apply Neem oil-based pesticide Azadiractin 0.03% (300 ppm) @ 5ml/ltr of water at initial stage of infestation. |
| MUSTARD (Flowering) | □ Sawfly and leaf Webber management To manage Mustard sawfly and leaf Webber spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. Apply the insecticides in the afternoon hours so that the movement of Honeybees will not be disturbed. |
| BLACK GRAM (Vegetative) | □ Yellow mosaic virus Present weather condition is favourable for the incidence of yellow mosaic virus which is caused by the vector white fly. To control go for spraying of triazophos @ 400 ml/acre or Acetamipride @ 40 g per acre. |

Horticulture Specific Advisory:

| Horticulture (Stage) | Horticulture Specific Advisory |
|--------------------------------|---|
| Menacinakahi (Fruit formation) | □ Mites Management To manage mites in chilli crop spray Ethion 50 % EC @ 600-ml/acre or Spiromesifen 22.9 % SC @ 200-ml/acre or Propargite 57 % EC @ 600- ml/acre. |
| CHILLI (Fruit formation) | □ Mites Management To manage mites in chilli crop spray Ethion 50 % EC @ 600-ml/acre or Spiromesifen 22.9 % SC @ 200-ml/acre or Propargite 57 % EC @ 600- ml/acre. |
| CABBAGE (Fruit formation) | □ To manage Alternaria leaf spot disease in Cole crops spray Mancozeb 75 % WP @ 600-gram/acre or carbendazim 12 % + Mancozeb 63 % WP @ 400-gram/acre by mixing in 200-litre of water. |

| Horticulture (Stage) | Horticulture Specific Advisory |
|--------------------------|---|
| TOMATO (Fruit formation) | <input type="checkbox"/> Wilting: In view of high humid condition wilting may occur at this stage. Spray Mancozeb 75% WP @ 2g/ltr of water if symptom is noticed. <input type="checkbox"/> Fruit & Shoot borer: Install pheromone trap @ 8nos/acre to monitor pest population. |
| POTATO (Vegetative) | <input type="checkbox"/> Aphid and Jassid management To manage Aphids and Jassids during primary stage of pest infestation spray, neem based pesticide 1500 PPM @ 600 ml/acre. To manage these pests chemically, spray Thiamethoxam 25% W.G @ 40g /acre or Dinotefuran 20 % SG @ 80 g/acre or Flonicamid 50 % WG @ 60 g/acre by mixing in 200 litre of water. |

Live Stock Specific Advisory:

| Live Stock | Live Stock Specific Advisory |
|------------|--|
| COW | <input type="checkbox"/> Lumpy skin disease in cattle is prevalent in Odisha, where Infection typically causes fever, depression, skin nodules, and reduction in milk yield. It is spread by flies, mosquitoes and tick. Animal's shed should be cleaned. Consult to nearby veterinary doctor if Lumpy skin disease symptom is observed in cattle. |

Poultry Specific Advisory:

| Poultry | Poultry Specific Advisory |
|---------|--|
| CHICK | <input type="checkbox"/> In poultry farming, ensure the chicks stay warm by using artificial lighting in the poultry houses. <input type="checkbox"/> Carry out necessary vaccinations as and when required. |

Likely impacts of weather warnings (General)

Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from fog, low temperature and moisture stress.

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