



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



Agromet Advisory Bulletin

Date : 2025-12-30

Weather Forecast of District JAGATSINGHAPUR (Odisha) Issued On : 2025-12-30 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-12-31	2026-01-01	2026-01-02	2026-01-03	2026-01-04
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	26.0	25.0	27.0	27.0	27.0
Tmin(°C)	13.0	13.0	14.0	13.0	13.0
RH-I(%)	88	91	91	91	85
RH-II(%)	38	39	41	42	39
Wind Speed(kmph)	8	6	5	3	5
Wind Direction(Degree)	334	313	342	319	330
Cloud Cover(Octa)	3	4	3	2	2
Warning	Fog	Fog	Fog	Fog	Fog

Forecast Summary:

As per the forecast received from IMD, dry weather may prevail over the district of Jagatsinghpur for the next five days. The sky condition may remain mainly clear to partly cloudy until Sunday. In the next five days, the wind may blow at 03- 08 km/h. The daily maximum and minimum temperatures will likely remain 25 - 27°C and 13-14°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

Nil

General Advisory:

□ As per the district level weather forecast issued by IMD, dry weather may prevail over the districts of Jagatsinghpur, Kendrapara, Khordha and Puri for the next five days. □ Cover the recently planted cole crops with paper pockets during night time to avoid low temperature. □ Continue sowing operation of summer paddy. Use polythene to cover the paddy nursery at night-time. □ Apply light irrigation preferably bore well water to the paddy nursery area in the evening to maintain the soil temperature favourable for seedling growth. □ During cool winter days to protect the paddy nursery, apply a thin layer of well decomposed FYM in wet bed to keep the bed relatively warm. □ 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. ☐ For maintaining the heat in the poultry shed during winter season, install heaters in the shed.

SMS Advisory:

☐ Cover the recently planted cole crops with paper pockets during night time to avoid low temperature.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Nursery Bed Preparation)	☐ 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.
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.
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.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
BRINJAL (Fruit formation)	☐ Leaf eating caterpillar and fruit borer To control leaf eating caterpillar and fruit borer in Brinjal, spray 80 g Emamectin benzoate or 80 ml Spinosad per 200 liter of water. ☐ Fruit and shoot borer To control Fruit and shoot borer in Brinjal, Spray Neem based pesticide 1500ppm @600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45% SC @70ml/acre and Thiodicarb@300g/acre at 15 days interval.
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.
TOMATO (Fruit formation)	☐ 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. ☐ Fruit & Shoot borer: Install pheromone trap @ 8nos/acre to monitor pest population.
POTATO (Vegetative)	☐ 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.
MARIGOLD (Flowering)	☐ Leaf eating caterpillar To manage the leaf eating caterpillar biologically use Pheromone trap Spodolure @ 6/acre or Installight trap @ 5 nos. Apply

Horticulture (Stage)	Horticulture Specific Advisory
	Bacillus thuringiensis @ 500 g/acre or Beauveria bassiana @ 1kg/acre. For chemical control, spray Chlorpyriphos 50 % + Cypermethrin 5 % E.C @ 400-ml/acre or Lambda Cyhalothrin 5% EC @ 300 ml/acre during afternoon hours by mixing with 200 litres of water.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
GOAT	<input type="checkbox"/> PPR disease also known as 'Goat Plague' is common during winter. This viral disease that affects goats and sheep which causes sudden fever, pneumonia and coughing. Affected animals appear restless, have a dull coat, dry muzzle and depressed appetite. Pregnant animals may abort. Vaccinate the animals.

Fisheries Specific Advisory:

Fisheries	Fisheries Specific Advisory
INDIAN MAJOR CARP	<input type="checkbox"/> During winters, there is a possibility of "EUS" disease in fish. Farmers are advised to apply Cifax @ 400 ml mixed with 40 litre of water in one acre pond area as a preventive measure. The fishes should be fed daily with oil cake bran mixture at the rate of 2-3 % of their total biomass.

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>