



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



Agromet Advisory Bulletin

Date : 2026-04-21

Weather Forecast of District JAGATSINGHAPUR (Odisha) Issued On : 2026-04-21 (Valid Till 08:30 IST of the next 5 days)

Parameter	2026-04-22	2026-04-23	2026-04-24	2026-04-25	2026-04-26
Rainfall(mm)	4.0	4.0	3.0	0.0	0.0
Tmax(°C)	38.0	38.0	36.0	35.0	35.0
Tmin(°C)	28.0	28.0	27.0	27.0	27.0
RH-I(%)	82	83	85	86	89
RH-II(%)	42	41	51	52	48
Wind Speed(kmph)	23	26	21	16	17
Wind Direction(Degree)	220	223	210	210	202
Cloud Cover(Octa)	3	3	2	0	0
Warning	Thunderstorms & Lightning, Squall etc; Hot Day	Thunderstorms & Lightning, Squall etc; Hot Day	Thunderstorms & Lightning, Squall etc; Hot Day	Hot Day	Hot Day

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 clear to partly cloudy until Sunday. In the next five days, the wind may blow at 16- 26 km/h. The daily maximum and minimum temperatures will likely remain 35 - 38°C and 27-28°C, respectively.

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

There is a hot day warning for the next five days, whereas thunderstorms with lightning are forecast for the first three days.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

☐ Use umbrella or wet cloth on head to protect from sun rays during the day time. ☐ Considering the next five days forecast of high day temperature along with hot and humid day condition, 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. ☐ Provide sufficient clean drinking water to dairy animals and Poultry birds. ☐ As thunderstorms with lightning are expected for the next three days, farmers are advised not to stay in open fields, near trees, or water bodies during thunderstorms. If no shelter is available, crouch low with your feet together in an open area.

General Advisory:

□ Harvest the Green gram, black gram and groundnut crop at physiological maturity stage and make their storage safe. After harvesting, dry the seeds until the optimum moisture content is attained. Clean the entire surface where the storage is to be done. □ Harvest the rice crop at physiological maturity (85% grains matured in a panicle) and looks pale yellow in colour. It will minimize loss due to shattering of grains in summer paddy. Dry the harvested paddy grains in direct sunlight for 2-3 days to get the moisture content at 14%. □ Initiate summer ploughing in the paddy fields with the availability of soil moisture. □ Farmers are advised to frequently irrigate the crops as and when required, especially for sugarcane, summer maize, pulses and vegetables to avoid high temperature stress. □ Resort to drip and sprinkler irrigation practices wherever possible in the event of limited water availability particularly for commercial crops including fruit orchards and widely spaced vegetables. Sprinkler irrigation brings down the heat effect. Conserve upto 50% water by irrigating alternate rows. □ Cover the rows with dry leaves in Sugarcane. Top-dress with 4% potassium to protect crop from water scarcity during summer. □ Use umbrella or wet cloth on head to protect from sun rays during the day time. □ Considering the next five days forecast of high day temperature along with hot and humid day condition, 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. □ Provide sufficient clean drinking water to dairy animals and Poultry birds. □ As thunderstorms with lightning are expected for the next three days, farmers are advised not to stay in open fields, near trees, or water bodies during thunderstorms. If no shelter is available, crouch low with your feet together in an open area.

SMS Advisory:

□ Initiate summer ploughing in the paddy fields with the availability of soil moisture.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Millking)	□ Ear cutting caterpillar- In case of ear cutting caterpillar incidence in paddy, spray Quinalphos 25EC @ 400 ml/acre or Chlorpyriphos 20EC @ 500ml/acre in 200 litres of water. It should be applied in the morning hour to the base of the crop. □ Neck Blast – To control Neck Blast disease spray Hexaconazole 5 % SC @ 400 ml/acre or Azoxystrobin 18.2% + Difenconazole 11.4 % S.C @ 200ml/acre or Tebuconazole 50%+ Trifloxystrobin 25 % WG @ 80 gram/acre.
SUGARCANE (Vegetative)	□ Early shoot borer In case of early shoot borer infestation in sugarcane crop, collect and destroy the egg masses manually. In furrow, apply Fipronil 0.3% GR @ 10 kg/acre at the time of first earthing up. In case of severe infestation spray Fipronil 5 % SC @ 600 ml/acre or Profenophos 50% EC @ 400ml/acre by mixing it in 200 litre of water.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
BRINJAL (Fruit formation)	□ After rainfall there is a chance of Bacterial wilt in Brinjal. To control this drench the soil with Plantomycin @ 15g with Copper Oxychloride @ 30 g/ 10 liters of water.
Menacinakahi (Fruit formation)	□ Mites To control infestation of mites in chilli spray Propargite 57% EC @ 600 ml/acre or Spiromesifen 22.9% SC @ 160 ml/acre or Diafenthiuron 50% WP @ 250 g/acre.
CHILLI (Fruit formation)	□ Mites To control infestation of mites in chilli spray Propargite 57% EC @ 600 ml/acre or Spiromesifen 22.9% SC @ 160 ml/acre or Diafenthiuron 50% WP @ 250 g/acre.

Horticulture (Stage)	Horticulture Specific Advisory
BITTER GOURD (Fruit formation)	<input type="checkbox"/> There are chances of infestation of Epilachna Beetle/Hadda beetle in cucurbits crop. To manage Epilachna Beetle in cucurbits shake plants to dislodge grubs, pupae, and adults in a pail of kerosene mixed water early in the morning or collect them mechanically and destroy. Spray neem-based pesticide 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 @ 2ml/litre of water.
PAPAYA (Fruit formation)	<input type="checkbox"/> Powdery mildew and black spot: In prevailing weather condition, infestation of powdery mildew and black spot disease may notice in Papaya. To manage powdery mildew and black spot spray Thiophanate Methyl 70% WP @ 1g/Litre of water.
WATER MELON (Harvesting)	<input type="checkbox"/> Fruits are harvested when it produces dull sound upon tapping or the fruits surface on the ground level produces light yellow colour.
(Flowering)	<input type="checkbox"/> Red Spider Mites management To manage red spider mites in Marigold and rose spray wettable sulphur 80 % WP @ 2-gram/litre of water or Propargite 57 % EC @ 2-ml/litre of water or Fenpyroximate 5 % EC @ 2-ml/litre of water.

Fisheries Specific Advisory:

Fisheries	Fisheries Specific Advisory
INDIAN MAJOR CARP	<input type="checkbox"/> Considering high day temperature along with heat wave condition water depth in the fish pond should be raised from 0.8 m to 1.0 m by adding fresh water. Reduce the quantity of feed by 10-20% compared to normal condition and make provision for supplying cool water into the pond, so that the temperature remains in the range of 13-18°C for as long as possible.

Poultry Specific Advisory:

Poultry	Poultry Specific Advisory
CHICKEN	<input type="checkbox"/> Due to severe heat there is reduction of growth rate and egg production in poultry and if the treatment is not provided in time then the bird may die. While constructing poultry shed keep in mind that the direct sun rays shouldn't enter, there should be proper ventilation, the roof should be high and side walls should be low. Plant pumpkin or similar plants over roof to avoid direct sunlight. Spray water over the poultry birds but keep in mind that the litre material should not get wet. The poultry shed remain cool by hanging wet gunny bag over side walls. The litre should be turned from time to time because it holds heat and increases the temperature inside shed. Plant green plants around the shed.

Likely impacts of weather warnings (General)

<input type="checkbox"/> Use umbrella or wet cloth on head to protect from sun rays during the day time. <input type="checkbox"/> Considering the next five days forecast of high day temperature along with hot and humid day condition, 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. <input type="checkbox"/> Provide sufficient clean drinking water to dairy animals and Poultry birds. <input type="checkbox"/> As thunderstorms with lightning are expected for the next three days, farmers are advised not to stay in open fields, near trees, or water bodies during thunderstorms. If no shelter is available, crouch low with your feet together in an open area.
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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>