



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



Agromet Advisory Bulletin

Date : 2026-04-17

Weather Forecast of District JAGATSINGHAPUR (Odisha) Issued On : 2026-04-17 (Valid Till 08:30 IST of the next 5 days)

Parameter	2026-04-18	2026-04-19	2026-04-20	2026-04-21	2026-04-22
Rainfall(mm)	5.0	2.0	0.0	1.0	0.0
Tmax(°C)	33.0	37.0	34.0	34.0	35.0
Tmin(°C)	28.0	28.0	29.0	27.0	27.0
RH-I(%)	87	85	83	84	85
RH-II(%)	50	49	49	50	41
Wind Speed(kmph)	17	17	22	19	18
Wind Direction(Degree)	204	204	210	211	221
Cloud Cover(Octa)	4	2	1	2	1
Warning	Thunderstorms & Lightning, Squall etc; Hot Day	Hot Day	Thunderstorms & Lightning, Squall etc; Hot Day	Hot Day	Hot Day

Forecast Summary:

As per the forecast received from IMD, the district of Jagatsinghpur may likely to receive very light to light rainfall on next Saturday, Sunday & Tuesday and dry weather on other days. The sky condition may remain mainly clear to partly cloudy until Wednesday. In the next five days, the wind may blow at 17- 22 km/h. The daily maximum and minimum temperatures will likely remain 33 - 37°C and 27- 29°C, respectively.

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

Thunderstorms and lightning are forecasted for next Saturday and Monday, whereas hot day conditions are expected on Sunday, Tuesday, and Wednesday.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

□ Considering the forecast of high day temperature along with hot day condition on next Sunday, Tuesday & Wednesday, 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 thunderstorm with lightning are expected on Saturday and Monday, 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. □ 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. For row crops alternate rows may be irrigated. □ Cover the rows with dry leaves in Sugarcane. Top-dress with 4% potassium to protect crop from water scarcity during summer. □ Apply sprinkler irrigation to bring down the heat effect. Conserve upto 50% water by irrigating alternate rows. □ High temperature followed by intermittent thunder shower will favour in build-up BPH infestation. If infestation of Brown Plant Hopper exceeds ETL (ETL: 5-10 hoppers/hill), it is advised to alter the micro-climate of the rice plant by alternate wetting and drying technique (there should not be standing water for long time). □ To manage BPH and WBPH in paddy avoid excess use of nitrogenous fertilizer. Make alleys at 6 feet spacing for sunlight entry and proper aeration below the crop zone. □ Spread polythene in irrigation channels to save water wastage during irrigation in sandy and loamy soil. □ 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 on next Sunday, Tuesday & Wednesday, 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 thunderstorm with lightning are expected on Saturday and Monday, farmers are advised not to stay in open fields, near tree

SMS Advisory:

□ Use umbrella or wet cloth on head to protect from sun rays during the day time.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Flowering)	□ Neck Blast - High variation of temperature between day and night leads to infestation of Neck Blast disease. To control 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. □ Panicle Mites-To control panicle mite in paddy spray Diafenthuran @ 400 g/acre or Spiromesifen @ 200 ml/ac or Fenpyroximate @ 400 ml/ac with 200 litres of water.
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
OKRA/ LADYFINGER (Fruit formation)	□ There are chances of Sucking pest like aphids, Jassids, thrips and whiteflies in Okra. To manage these pests at early stage of infestation, spray neem-based pesticide (Neem Oil 1500 PPM @600-ml/acre by mixing it in 200-litre of water. To manage these sucking pests chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre or Tolfenpyrad 15 % EC @ 400-ml/acre by mixing it in 200-litre of water.
CUCUMBER (Fruit formation)	□ Fruit fly management To manage fruit fly in cucurbits, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion or DDVP in 4-litre of water. Keep this mixture in Plastic cups or clay pots @80-nos/acre. The fruit

Horticulture (Stage)	Horticulture Specific Advisory
	flies will be attracted to this and eventually get killed by falling into the poison baits.
PAPAYA (Fruit formation)	☐ 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.
Drumstick (Pod Development)	☐ Pod borer infestation is found in drum stick. Spray Cypermethrine @ 80 g a.i./acre at 15 days interval.
WATER MELON (Harvesting)	☐ Fruits are harvested when it produces dull sound upon tapping or the fruits surface on the ground level produces light yellow colour.
MARIGOLD (Flowering)	☐ 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
COMMON CARP	☐ 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	☐ 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)

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>

