



**GRAMIN KRISHI MAUSAM SEWA (GKMS)**  
**INDIA METEOROLOGICAL DEPARTMENT, MINISTRY OF EARTH SCIENCES**  
**ODISHA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**  
**BHUBANESWAR -751 003**



*Dr. T.R. Mohanty*  
Nodal Officer

**Week No. 39**

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**District - Jagatsinghpur (East and South-Eastern Coastal Plain Agroclimatic Zone)**

Past Week Weather in Jagatsinghpur (20/09/2025 to 26/09/2025)		
Maximum Temperature (°C)	Minimum Temperature (°C)	Rainfall (mm)
33.4	25.7	14.8

**Crop Condition:**

- Kharif rice is in tillering to panicle initiation stage.
- Non-paddy crops like Maize, Ragi, Pulses, Oilseeds and Vegetables are also in vegetative stage to reproductive stage. Sugarcane is in grand growth stage. Overall crop condition is Normal.

**Weather Forecast for Jagatsinghpur from 27-09-2025 to 01-10-2025 (Given by Met. Centre, IMD, Bhubaneswar)**

Weather Parameters	Day-1	Day-2	Day-3	Day-4	Day-5
Rainfall & Sky Condition					
	Moderate rain with overcast sky	Moderate rain with generally cloudy sky	Light rain with generally cloudy sky	Light rain with generally cloudy sky	Light rain with partly cloudy sky
Maximum Temperature (°C)	29	29	30	30	31
Minimum Temperature (°C)	24	23	23	24	24
Morning Relative Humidity (%)	90	92	92	92	92
Afternoon Relative Humidity (%)	71	77	75	71	68
Wind Speed (Km/h)	6	11	5	5	6
Wind Direction	57	148	168	13	10

**As per the forecast received from IMD, the district of Jagatsinghpur may likely to receive light to moderate rainfall for the next five days. The sky condition may remain partly cloudy to overcast until Wednesday. In the next five days, the wind may blow at 05 - 11 km/h. The daily maximum and minimum temperatures will likely remain 29-31°C and 23-24 °C, respectively.**

**Agromet Advisory**

- ❖ As per the district level weather forecast issued by IMD, the district of Jagatsinghpur may likely to receive light to moderate rainfall for the next five days.
- ❖ Application of fertilizer & pesticides may be withheld for the time being.
- ❖ Make necessary drainage arrangement to drain out excess water from non-paddy field and vegetable nursery.
- ❖ Tie sugarcane leaves from four to five plants together to prevent lodging and provide staking.
- ❖ Yellow warning has been issued by IMD, Bhubaneswar for thunderstorm with lightning accompanied with gusty surface wind speed reaching 30-50 kmph are expected for next three days, so 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. Unplug farm equipment, motors, and irrigation pumps to avoid damage. Avoid touching electrical wires, metal fences, and mobile phones in open areas. Avoid touching electrical wires, metal fences, and mobile phones in open areas.
- ❖ Banana farmers were advised to drain out the excess water from the field and earthing up the newly planted banana. After rain apply the recommended dose of fertilizer.
- ❖ Keep the animal sheds clean and dry. Provide sufficient foods and water to animals and keep the foods in safer place to protect from rain.
- ❖ Fishermen are advised to avoid venturing into the sea along the Odisha coast during 26<sup>th</sup> to 28<sup>th</sup> September 2025.

**General Advisory**

<b>Crop</b>	<b>Stage</b>	<b>Advisory</b>
<b>PADDY</b>	Tillering-Panicle Initiation	<ul style="list-style-type: none"> <li>❖ <b><u>BPH and WBPH Management-</u></b> The present weather condition is favourable for Brown Plant Hopper (BPH) and White Backed Plant Hopper (WBPH) infestation in paddy. For control BPH and WBPH in paddy avoid excess use of nitrogenous fertilizer. Do not keeping standing water in the field for longer period. Alter the micro-climate 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.</li> <li>❖ <b><u>Bacterial Leaf Blight-</u></b> For control this disease chemically, spray Copper Hydroxide 53.8% DF @ 600-gram/acre or 200-gram Plantomycin along with Copper Oxy Chloride 50% WP @ 600-gram/acre during clear weather condition.</li> </ul>
<b>GROUNDNUT</b>	Reproductive stage	<ul style="list-style-type: none"> <li>❖ <b><u>Stem Rot disease</u></b> The disease incidence is maximum after rainfall. To prevent the disease Seed treatment should be done with Carbendazim 50 % WP @ 2-gm/ kg of seeds or Carboxin 37.5 % + Thiram 37.5% D.SWP @ 3-gm/kg of seeds. After receding of rain to manage Stem Rot disease in groundnut spray Validamycin 3 % L @ 400-ml/acre or Captan 70 %+ Hexaconazole 5 % @ 300- gram/acre. To spray the fungicide 200-litre of water per acre is required.</li> </ul>
<b>ARHAR</b>	Vegetative stage	<ul style="list-style-type: none"> <li>❖ <b><u>Leaf webber</u></b> During clear weather condition Spray Profenophos 50% EC or Chlorpyriphos 50 % + Cypermethrin 5 % EC @ 2 ml/lit @ 2ml/lit of water.</li> <li>❖ <b><u>Sucking Pests (Aphid, Jassids, Thrips, Whitefly)</u></b> Sucking pests are generally more active in prevailing weather condition. Neem-based pesticide (1500 ppm) may be sprayed @ 3ml/ lit of water at initial stage of infestation.</li> </ul>
<b>SUGARCANE</b>	Grand growth stage	<ul style="list-style-type: none"> <li>❖ <b><u>Red rot disease</u></b> To manage Red Rot disease in Sugarcane, after receding rain spray Carbendazim 12%+ Mancozeb 63 % WP (Saaf/Sixer) @ 400-gram/acre or Metalaxyl 8 % + Mancozeb 64 % (Ridomil Gold/Crilaxyl) @ 400-gram/acre by mixing it in 200-litre of water.</li> </ul>
<b>CUCURBITS</b>	Vegetative to Fruiting	<ul style="list-style-type: none"> <li>❖ <b><u>Epilachna Beetle</u></b> To manage Epilachna Beetle in cucurbits spray neem-based pesticide (Neem Oil 1500 PPM) @ 3-ml/litre of water at early stage of infestation.To manage Epilachna Beetle chemically spray Chlorpyriphos 20 % EC @ 2-ml/litre of water or Profenophos 50 % EC @ 2- ml/litre of water during clear weather condition.</li> </ul>
<b>TOMATO</b>	Nursery	<ul style="list-style-type: none"> <li>❖ <b><u>Seed Treatment</u></b> Treat 1-kg of tomato seeds with Carboxin 37.5%+ Thiram 37.5% D.S @ 2-gram or Imidacloprid @ 4 gram before sowing. Sow the seeds at 2.5 x 5cm at a depth of 1-cm. Cover the nursery bed with paddy straw or dried leaves for better germination. Foliar spray should be followed with Carbendazim+Mancozeb@ 2 g/lit of water at 15 DAS. 3-4 weeks old tomato seedlings should be transplanted in the main field.</li> </ul>
<b>PAPAYA</b>	Vegetative to Fruiting	<ul style="list-style-type: none"> <li>❖ <b><u>Mealy bug</u></b> To manage mealy bug at early stage of infestation spray neem-based pesticide (Neem Oil 1500 PPM @30- ml/10-litre of water or insecticidal soap. In case of severe infestation spray Profenphos 50 % EC @ 20-ml/10-litre of water or Thiamethoxam 25 % WG @ 3-gram/10-litre of water during clear weather condition.</li> </ul>
<b>COCONUT</b>	Vegetative to Fruiting	<ul style="list-style-type: none"> <li>❖ <b><u>Black headed caterpillar</u></b> For control black headed caterpillar in coconut, install Bracon card in the front of the plant. Cut the affected leaves and burn it. To manage the pests, after receding of rain chemically spray Chlorantraniliprole 18.5 % SC@ 4-ml/10- litre of water or Emamectin Benzoate 5 % SG @ 4-gram/10-litre of water.</li> </ul>
<b>MARIGOLD &amp; ROSE</b>	Vegetative to Flowering	<ul style="list-style-type: none"> <li>❖ To manage Red Spider Mites in flower like Marigold and rose spray wettable sulphur 80 % WP (Sulfex/Balwan/Sulfadex) @ 2-gram/litre of water or Propargite 57 % EC (Omite/Mitekill/Super Dynamite) @ 2-ml/litre of water or Fenpyroximate 5 % EC (Seagate/Mitigate/Formite) @ 2-ml/litre of water during clear weather condition.</li> </ul>
<b>PISCICULTURE</b>	<ul style="list-style-type: none"> <li>❖ When there is a lack of oxygen in the pond, the fish will come up to the surface water and start gulping through their mouths. The ideal dissolved oxygen is about 5mg/l. This can be maintained by using aerator. A simple way of aeration is to circulate the pond water. It can be done using a pump which can take water from the lower surface of the pond and splash it into the same pond.</li> </ul>	

**PRINCIPAL NODAL OFFICER**

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**E-mail:** [aas\\_ouat@yahoo.com](mailto:aas_ouat@yahoo.com), **WhatsApp:** +91 76569 09765, **Web Portal:**<https://ouat.nic.in/agro-advisory-service>