



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. 51

No. -1276 (Eng. Bulletin)
Dt. - 19.12.2025

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

Past Week Weather in Jagatsinghpur (13/12/2025 to 19/12/2025)		
Maximum Temperature (°C)	Minimum Temperature (°C)	Rainfall (mm)
29	15.4	Nil

Crop Condition:

- Harvesting of Kharif Paddy is nearly completed.
- Raising of Nursery bed for Summer Paddy is under progress. Harvesting of Sugarcane is continuing.
- Sowing of Rabi Pulses, Oilseeds & vegetables are under process. Overall crop condition is Normal.

Weather Forecast for Jagatsinghpur from 20-12-2025 to 24-12-2025 (Given by Met. Centre, IMD, Bhubaneswar)

Weather Parameters	Day-1	Day-2	Day-3	Day-4	Day-5
Rainfall & Sky Condition					
	Dry weather with clear sky	Dry weather with mainly clear sky	Dry weather with mainly clear sky	Dry weather with mainly clear sky	Dry weather with clear sky
Maximum Temperature (°C)	28	28	29	29	29
Minimum Temperature (°C)	16	16	16	16	16
Morning Relative Humidity (%)	88	88	87	85	81
Afternoon Relative Humidity (%)	41	42	42	36	37
Wind Speed (Km/h)	8	7	7	8	7
Wind Direction	332	330	352	338	319

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 mainly clear until Wednesday. In the next five days, the wind may blow at 07 - 08 km/h. The daily maximum and minimum temperatures will likely remain 28 - 29 °C and 16 °C, respectively.

Agromet Advisory

- ❖ As per the district level weather forecast issued by IMD, dry weather may prevail over the district of Jagatsinghpur for the next five days.
- ❖ Now the weather is optimum for nursery sowing of rabi rice. 10 decimal area is sufficient for nursery sowing for one acre planting.
- ❖ Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from low temperature and moisture stress.
- ❖ Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.
- ❖ Use 'Super Grain Bag' for safe storage of paddy/rice for longer period of time or store the harvested paddy in properly bagged and stacked with suitable cover to avoid damage.
- ❖ Harvest the mature sugarcane below one inch of ground level for a successful ratoon crop.
- ❖ In Cole crops irrigation should be done at 7-8 Days interval depending upon soil moisture and weather condition.
- ❖ 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.
- ❖ In winter during cold hours farmers should keep doors, windows and open spaces in cow sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air.

General Advisory

Crop	Stage	Advisory
PADDY (Summer)	Pre sowing	<ul style="list-style-type: none"> ❖ Varietal selection (Summer): Arrange good quality paddy seed varieties like Satyabhama, Sahabhazi Dhan, Mandakini, Manaswini, DRR 42, DRR-43, DRR-44, Bina 11, GB-1, Improved Lalat, MTU 1010, MTU 1001, Naveen, Swarna Shreya and Luna Sankhi (Coastal Saline) which can be grown as transplanted rice in dry season. ❖ Seed treatment (Summer): Treat the 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.
GROUNDNUT:	Vegetative stage	<ul style="list-style-type: none"> ❖ Tobacco Caterpillar- Collect and destroy egg mass and caterpillar of the pest. Monitor the emergence of adult moths by setting up Pheromone traps having Spodo lure @ 6-8 nos/acre. Check the migration of caterpillars by dusting with Chlorpyrifos 1.5 % D @ 10 kg around the field. Spray Novaluron 5.25 %+ Indoxacarb 4.25 % @ 400 ml/acre or Lambda Cyhalothrin 4.9 CS @ 300 ml or Flubendiamide 20 % WG @ 120 g. For spraying of insecticides 200 litre of water per acre is required.
BLACKGRAM AND GREENGRAM	Vegetative stage	<ul style="list-style-type: none"> ❖ Aphids To manage aphids during primary stage of pest infestation spray Neem Based Pesticide 1500 PPM @ 600 ml/acre. Then spray Thiamethoxam 25% W.G @ 40 gram/acre or Acetamiprid 20% S.P. @ 50 gram/acre by mixing in 200 litres of water.
SUGARCANE	Harvesting	<ul style="list-style-type: none"> ❖ Harvest the mature cane when the brix reading reaches 18 or above. Use hand refractometers for testing of the juice. Harvesting of canes should be done below one inch of ground level for a successful ratoon crop. Transport the cane immediately after harvest to the factory for crushing. Maximum recovery takes place when the cane is crushed within 24 hours after harvesting.
CUCURBITS:	Vegetative stage	<ul style="list-style-type: none"> ❖ Downey mildew- To control downy mildew in cucurbits, Spray Metalaxyl 8% + Mancozeb 64% W.P @ 400 g/acre or Fosetyl -AL 80 % WP @ 600 g/acre.
CAULIFLOWER	Vegetative – Fruit formation stage	<ul style="list-style-type: none"> ❖ Browning or Brown rot Apply borax @ 4-kg/ acre as soil application during transplanting in Cole crops to prevent Brown rot. If Borax was not applied during transplanting of seedlings than spray Borax @ 2.5-gram/litre or Folibor /Solubor @ 1.5 gram/litre. Spraying of Boron micronutrient should be done after two weeks of transplanting and two weeks before curd formation.
TOMATO	Vegetative stage	<ul style="list-style-type: none"> ❖ Late blight - Due to decrease in minimum temperature condition there may be chances of late blight in tomato, to avoid late blight precaution must be taken during the initial infection stage. Spray 2.5 g Metalaxyl + Mancozeb/lit of water .Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants.
POTATO	Vegetative stage	<ul style="list-style-type: none"> ❖ 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	Vegetative to Flowering	<ul style="list-style-type: none"> ❖ Thrips: Install Blue sticky trap @ 8 nos/acre. To control chemically, apply Fipronil 5% SC @ 4ml/liter of water. ❖ Mealy bug: Apply Profenophos 50% EC @ 2ml/liter of water.
ANIMAL HUSBANDRY		<ul style="list-style-type: none"> ❖ 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.
POULTRY		<ul style="list-style-type: none"> ❖ In winter number of feeders should be increased. Feed should be available to the bird for the whole day. For maintaining the heat in the poultry shed, install heaters in the shed. Use 200W bulbs to generate heat in small scale operations. ❖ Carry out necessary vaccinations as and when required.

PRINCIPAL NODAL OFFICER

For better agricultural benefits use, **OUAT KALINGA** products (Seedlings, Saplings & QPM, Tissue Culture Plants, Fruits & Vegetables, Value Added Products, Fingerlings/ Yearlings, Poultry chicks, Breeds, Mushroom & Spawn, Bio-Fertilizer, Bio-Pesticides, Vermi & VermiCompost and Farm Implements).

IMD Weather forecast and Agro-meteorological advisory of Odisha location is now available on Meghdoot mobile app in English and Odia language.

Download: (Android: <https://play.google.com/store/apps/details?id=com.aas.meghdoot>)(iOS: <https://apps.apple.com/in/app/meghdoot/id1474048155>)

E-mail: aas_ouat@yahoo.com, WhatsApp: +91 76569 09765, Web Portal: <https://ouat.nic.in/agro-advisory-service>