



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. 29

No. – 654 (Eng. Bulletin)
Dt. – 18.07.2025

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

Past Week Weather in Jagatsinghpur (12/07/2025 to 18/07/2025)		
Maximum Temperature (°C)	Minimum Temperature (°C)	Rainfall (mm)
33.3	27.4	31.6

Crop Condition:

- Broadcasting and nursery operation of kharif paddy are going on. In some parts transplanting of rice has also started.
- Sowing of non-paddy crops like Maize, Ragi, Pulses, Oilseeds and Vegetables are also under progress. Overall crop condition is Normal.

Weather Forecast for Jagatsinghpur from 19-07-2025 to 23-07-2025 (Given by Met. Centre, IMD, Bhubaneswar)

Weather Parameters	Day-1	Day-2	Day-3	Day-4	Day-5
Rainfall & Sky Condition					
	Light rain with partly cloudy sky	Light rain with partly cloudy sky	Very light rain with partly cloudy sky	Light rain with partly cloudy sky	Light rain with partly cloudy sky
Maximum Temperature (°C)	32	32	33	33	33
Minimum Temperature (°C)	27	27	28	26	26
Morning Relative Humidity (%)	85	82	84	84	82
Afternoon Relative Humidity (%)	63	64	63	60	54
Wind Speed (Km/h)	18	17	12	7	7
Wind Direction	235	223	231	255	264

As per the forecast received from IMD, the district of Jagatsinghpur may likely to receive very light to light rainfall for the next five days. The sky condition may remain partly cloudy until Wednesday. In the next five days, the wind may blow at 07 - 18 km/h. The daily maximum and minimum temperatures will likely remain 31 - 33°C and 26 – 28°C, respectively.

Agromet Advisory

- ❖ As per the district level weather warning issued by IMD, the district of Jagatsinghpur may likely to receive very light to light rainfall for the next five days.
- ❖ Incorporate the dhaincha green manuring crop at the time of initial puddling of main field.
- ❖ In low land, go for transplanting of 21 days rice seedlings in the main field.
- ❖ Keep bunding water in the main rice field for timely puddling and transplanting.
- ❖ Top dress nitrogen fertilizer in early planted maize and Jute after receding of rain.
- ❖ Sowing of non-paddy crops like groundnut, arhar, castor green gram, black gram and sesame may be taken up in upland.
- ❖ For better peg formation in groundnut crop hoeing and earthing up should be done at 20-25 DAS.
- ❖ Nursery sowing should be completed by end of 2nd fortnight of July.
- ❖ In zinc deficient areas apply Zinc Sulphate @ 10 kg/acre or zinc-EDTA @ 6kg/acre (once in two years) at the time of final land preparation.

General Advisory

Crop	Stage	Advisory
PADDY	Seedling development stage	❖ Transplanting of Rice- Apply 35 kg DAP, 27 kg Potash and 8 kg Urea per acre during last puddling. For sandy soil apply 35 kg DAP, 15 kg Potash and 8 kg Urea per acre during last puddling. Transplanting of 20-25 days old seedlings should be done at a spacing of 20x15 cm, plant 2-3 seedlings per hill for high yielding varieties. Use pre-emergence herbicide Pretilachlor @ 800 ml/acre or Oxadiargyl 80%W. P @ 30gm/acre or Pyrazosulfuron Ethyl 10% W.P @ 80gm/acre at 1-3 DAT. Spray the herbicide by mixing it in 200 litres of water per acre or Mix the herbicide with 20 kg of sand and broadcast it uniformly. Always use flat-fan or flood-jet nozzle and clean water for herbicide spraying.
BLACK GRAM AND GREEN GRAM	Sowing	❖ Seed rate for black gram and green gram is 10 kg per acre. Go for seed treatment before Sowing. Treat the seeds with Carbendazim 50% WP @ 2- gram/ kg of seeds or Carboxin 37.5 % + Thiram 37.5% D.S @ 3-gram/ kg of seeds one week before sowing. Treat the seeds with recommended species of Rhizobium bacterial culture @ 20 gm/kg of seeds before 1 hour of sowing. Apply 2 ton of FYM or Compost at the time of last ploughing along with 35 kg DAP, 13 kg MOP, 4 kg of Urea per acre as basal fertilizer. Maintain spacing of 30 cm row to row and 10 cm plant to plant while sowing in the main field.
SUGARCANE	Vegetative stage	❖ To manage mealy Bug in sugarcane crop spray Imidacloprid 17.8 % SL @ 60- ml/acre or Thiamethoxam 25 % WG @ 40-gram/acre or Profenophos 50 % EC @ 400-ml/acre by mixing it in 200 litre of water.
BRINJAL	Seedling-vegetative	❖ Fertilizer management- Those farmers who have already transplanted brinjal in main field should apply 30-kg of Urea and 20-kg of MOP per acre after hoeing and weeding at 30 DAT. Rest 30 -kg of urea should be applied as last top-dressing fertilizer at 45 DAT.
VEGETABLES (Okra, Pumpkin, Bitter Gourd, Ridge Gourd and Cucumber)	Vegetative to fruiting	❖ The Mosaic disease is transmitted by whitefly and other sucking pests in vegetable crops. ❖ To manage this disease care should be taken from the start of sowing. Seed Treatment should be done with Imidacloprid 75 % WG @ 4 gram/kg of seeds. ❖ To manage the vectors of the disease, install 8-10 Nos of Yellow sticky traps starting from 10-12 DAS. Spray neem-based pesticide (Neem Oil 1500 PPM @600-ml/acre by mixing it in 200-litre of water starting from 15-DAS. In case of severe infestation spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre by mixing it in 200-litre of water in clear weather condition.
MANGO	Planting	❖ July and August is the optimum for mango planting. Grow Baiganpalli, Totapuri, Bombay green, Suvarnarekha, Neelam, Himsagar,, Langra, Dusheri, Amrapalli, Mallika, Ratna, Ramkella, Rummani, Sindhu, Alphanso and Keshar, etc. Use healthy unbranched grafted seedlings. Plant the seedlings in 1x1x1 m pit at 10x10 m distance. Before planting apply 80:100:60 g of NPK and two baskets of compost/pit.
SWEET POTATO	Planting	❖ July is the optimum time for Sweet potato planting. Gouri, Bhuban sankha, Pusa safed and Samart varieties are suitable for Odisha climate. Sweet potato is also propagated by vine cutting.Make ridges at 60 cm distance and plant 100 to 125 gm weight healthy disease free tubers at 25 cm distance. Collect 20-30cm length vine cuttings from 40 to 45 days old seedlings and plant them in main field.
BANANA	Vegetative stage	❖ To manage panama wilt, select disease free planting material and resistant cultivar like Bantal, Robusta, Champa, Kabuli etc. Banana suckers should be dipped with solution of Carbendazim @ 10-gram/10- litre of water before planting followed by bimonthly drenching of soil around the pseudo stem starting from 5 months after planting.
COCONUT	Vegetative Stage	❖ For controlling rugose spiralling whitefly, Spray starch solution @100-gram/10-litre of water to remove the heavy sooty mould deposition on the leaves of infested plants.Use yellow sticky traps to trap the adult whiteflies. During primary stage of pest infestation, spray Neem Based Pesticide (Azadirachtin) 1500 PPM @ 30- ml/10-litre of water. For chemical control spray Spinosad 45 % SC @ 4-ml/10-litre of water or Emamectin Benzoate 5% SG @ 4-gram/ 10-litre of water.
ANIMAL HUSBANDRY		❖ Damaged roof of the shed should be repaired to prevent leakage of water. ❖ Ensure animal sheds are kept clean and dry. Provide adequate food and clean drinking water, and provide timely vaccinations to maintain animal health.
FISHERY		❖ Carp such as Rohu, Catla and Mrigal, which grow rapidly, should be stocked in a certain ratio of 4:3:3 to increase the benefits. Generally, a density of 5,000 fingerlings/ha is kept as a standard stocking. ❖ Groundnut oil cake and rice bran is given in same ratio @ 5% of the total biomass of stocking material. Cow dung, urea and super phosphate should be applied to increase pond quality.

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>