



# Gramin Krishi Mausam Sewa

## India Meteorological Department

### Odisha University of Agriculture and Technology

#### Bhubaneswar -751 003

**Dr.T.R Mohanty**  
Nodal Officer

**Week No.01**

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

The mean maximum daily temperature was 26.28°C and mean minimum daily temperature was 16.14°C of the Jagatsinghpur district during the last week. The district received no rainfall during the last seven days. Harvesting of Long duration paddy is going to be completed. Preparation of paddy nursery is continuing. Picking of cotton crop is in progress. Harvesting and planting of Sugarcane is under progress. Sowing of Rabi crops like Cereals, Pulses, Oilseeds, Vegetables and Spices are under progress. Progress of sowing is better as compared to last Rabi season. Overall crop condition is Normal.

**Forecast (Up to 10.01.2024)**  
**Given by Met. Centre, IMD, Bhubaneswar**

**DISTRICT: JAGATSINGHPUR** – As per the forecast received from IMD, dry weather may prevail over the district of Jagatsinghpur for next five days. The sky condition may remain clear to mainly clear for the next five days. The wind may flow North Easterly to Easterly with speed of 09-12 km/h. The daily maximum and minimum temperature are likely to remain 27-28°C and 16-17°C respectively for next five days.

DISTRICT	JAGATSINGHPUR				
Date	06/01/2024	07/01/2024	08/01/2024	09/01/2024	10/01/2024
Rainfall (mm)	0	0	0	0	0
T-MAX (C )	28	28	27	27	27
T-MIN (C )	16	17	17	16	16
Cloud Cover	0	1	2	2	1
Rh Max (%)	69	76	68	73	75
Rh Min (%)	43	44	46	47	46
Wind speed (kmph)	11	12	11	9	10
Wind Direction (deg)	101	101	90	90	112

For further information, contact the Met. Centre, Aerodrom Area, IMD, Bhubaneswar, Tel. # 0674-2596116.

**Agromet Advisory**

- ❖ In view of prevailing low temperature, Provide light irrigation to standing vegetables and crops during morning hours.
- ❖ Farmers are advised to prepare nursery bed and treat the paddy seeds with Carbendazim 50% W.P @ 1.5 g/1kg of seeds or Carboxin 37.5% + Thiram 37.5 % @ 3 g /1 kg of seeds before sowing in the nursery.
- ❖ Maintain saturated condition in the surface soil of nursery bed by applying irrigation in furrow, for proper establishment and early growth of Rice seedlings.
- ❖ Standing water to a depth of 2-3 cm should be maintained at least for 2-3 days before uprooting of seedlings.
- ❖ Sunflower crop is at 25-30 days stage. Go for hoeing and weeding and thinning and apply N -fertilizer.
- ❖ Spraying of pesticides to be done after 3 pm to protect the honey bee.
- ❖ Cover the recently planted cole crops with paper pockets during night time to prevent from low temperature stress.
- ❖ Mulch vegetable seedling with straw or other mulching material to avoid cold injury.

**PADDY (Summer): Wet Direct Sown Paddy**

Farmers those are going for Wet direct sown rice cultivation should 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. In Zinc deficient soil apply Zinc Sulphate (21%) @ 10 kg/acre at every three years. Sowing of pre-germinated seeds should be done in puddled soil by direct broadcasting or by using drum seeder.

**GROUNDNUT: Aphids and Thrips**

To control aphids and thrips spray Neem Based Pesticide 300 PPM @ 1litre /acre during primary stage of infestation. If the infestation is severe than spray Thiamethoxam 25% W.G @ 40 g/acre or Imidacloprid 17.8% SL @ 50 ml/acre by mixing it in 200 litre of water.

**MUSTARD:** There are chances of Aphid and Painted Bug infestation in mustard crop. During primary stage of pest infestation spray Neem Based Pesticide (Azadirachtin) 1500 PPM @ 600ml/acre. To manage Aphids and Painted Bug chemically spray Thiamethoxam 25% W.G (Actara/Areva) @ 40 gram/acre or Acetamiprid 20% S.P. (Dhanpreet/Manik) @ 50 gram/acre or Imidacloprid 17.8% SL (Media/Tatamida) @ 60-ml acre by mixing in 200 litre of water. Apply the insecticides in the afternoon hours so that the movement of Honeybees will not be disturbed.

**TOMATO: Whitefly**

Use yellow sticky traps 5 @ 8-10/acre to attract and kill White fly in Tomato. During primary stage of pest infestation spray neembased pesticide (Azadirachtin) 1500 PPM @ 600-ml/acre by mixing in 200-litre of water. To control this pest chemically spray Thiamethoxam 25 % WG @ 40 g/acre or Pyriproxifen 10% EC @ 200 ml/acre or Spiromesifen 22.9% SC @ 250 ml/acre by mixing in 200 litre of water.

**POTATO:** Go for hoeing and hand weeding in Potato after 3 weeks of first earthing up. Apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 400 ml/acre for control of cut worm and leaf eating insect.

**ONION:** Onion Seedlings of 8-weeks old which are 12-15 cm in height should be planted in the main field. Before transplanting apply 10 tonnes of Compost, 52 kg of DAP, 30 kg of Muriate of Potash 20 kg of urea and 20 kg of sulphur and mix it to the soil uniformly. Transplant the seedlings in line by keeping the row to row spacing at 25 cm and plant to plant spacing at 10 cm.

**MARIGOLD: Leaf eating caterpillar-** To manage the leaf eating caterpillar biologically use Pheromone trap Spodolure @ 6/acre or Installlight trap @ 5 nos. Apply Bacillus thuringiensis @ 500 g/acre or Beauveria bassiana @ 1kg/acre. For chemical control, spray Chlorpyrifos 50 % + Cypermethrin 5 % E.C @ 400-ml/acre or Lambda Cyhalothrin 5% EC @ 300 ml/acre during afternoon hours by mixing with 200 litres of water.

**POULTRY:** In view of prevailing low temperature, for maintaining heat in the poultry shed use electric bulb or install heaters in the shed. Cover the farm with polythene or gunny bag.

**PRINCIPAL NODAL OFFICER**

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