



**GRAMIN KRISHI MAUSAM SEWA
INDIA METEOROLOGICAL DEPARTMENT
ODISHA UNIVERSITY OF AGRICULTURE & TECHNOLOGY
Mahisapat, Dhenkanal- 759013**



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Week No.-50

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(FRIDAY)

DISTRICT: DHENKANAL (Mid-central Table Land Zone)

Weather condition during last week (06.12.2025 to 12.12.2025)

Rainfall (mm)	0.0
Maximum Temperature (°C)	26.8-28.4
Minimum Temperature (°C)	11.0-12.8

Forecast (Up to 17.12.2025) given by Met. Centre, IMD, Bhubaneswar

Date	Rainfall (mm)	T-MAX (°C)	T-MIN (°C)	Cloud Cover	RH Max (%)	RH Min(%)	Wind Speed (kmph)	Wind Direction (deg)
13-12-2025	0	30	11	0	71	28	5	318
14-12-2025	0	30	11	0	72	31	5	315
15-12-2025	0	30	12	1	74	32	5	312
16-12-2025	0	30	12	0	75	32	5	312
17-12-2025	0	30	12	0	78	38	6	308

Weather Summary:

According to the IMD forecast, Dhenkanal district is likely to dry for the next 5days. The sky is expected to be clear to mainly clear. Wind speeds are anticipated to 05-06 km/h. Maximum and minimum temperatures will be 30°C and 11-12°C respectively. Maximum relative humidity is predicted to be between 71% to 78% and minimum relative humidity ranging from 28% to 32% during this period.

WARNING : No Warning

Agromet Advisory

General Advisory:

- ❖ Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from fog, low temperature and moisture stress. Carry out shallow hoeing in cole crops to remove weeds and loosen the soil for better aeration.
- ❖ Carry out weeding and earthing up operation in winter vegetables like Brinjal, Tomato and Chilli.
- ❖ Due to forecasted low night temperature coupled with fog during upcoming days, 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 plant protection measures.

Crop	Stage	Crop and Livestock specific Advisory
PADDY	Pre sowing stage	<ul style="list-style-type: none"> • Farmers interested to grow summer season rice should procure/arrange good quality seeds of varieties Satyabhama, Sahabhagi Dhan, Mandakini, Manaswini, DRR 42, DRR-43, DRR-44, Bina 11, GB-1, Improved Lalat, MTU 1010, MTU 1001, Naveen, Swarna Shreya.
BLACK GRAM & GREEN GRAM	Vegetative stage	<ul style="list-style-type: none"> • Current overcast weather conditions could lead to a rise in Powdery mildew infestations in Green gram and Black gram. • For biological control spray <i>Trichoderma viridae</i> 5 % L @ 1 ml/lit of water. • For chemical control spray Triadimefon 25% WP @ 200 g or Penconazole 10% EC @100ml by mixing with 200 liters of water for 1 acre area.

GROUNDNUT	Vegetative stage	<ul style="list-style-type: none"> • Due to present cloudy weather the population of Aphids may rise in Groundnut crop. To manage these pests at early stage of infestation spray neem-based pesticide (Neem Oil 15000 PPM) @ 600-ml/acre by mixing in 200-litre of water. • Use yellow sticky trap @ 8/acre. You can also use Trichogramma chilonis card @ (1-2)/acre (100000/ha) at weekly interval for 6 times by splitting each card into 12 pieces at the scheduled points. • To manage these pests chemically spray Thiamethoxam 25 % WG @ 40g /acre or Emamectin Benzoate 5 % SG @ 80 g/acre or Spinosad 45 % SC @ 75 ml/acre by mixing in 200 litre of water.
MUSTARD	Vegetative stage	<ul style="list-style-type: none"> • There will be chances of Sawfly infestation in Mustard crop. To manage this pest, irrigation should be done in seedling stage (3-4 weeks) because most of the larvae dies due to drowning effect. Manually collect and destroy grubs of sawfly in morning and evening hours. • To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.
GARLIC	Planting stage	<ul style="list-style-type: none"> • Currently it is the perfect time for planting garlic. Some varieties of Garlic include Agrifound white, Jamuna Safed (G-1), G-282, Agrifound Parvati (G-323) etc. In Garlic, 200-300 Kg cloves per acre is required for Cultivation. • Garlic cloves should be treated with Carbendazim @ 2 g per kg of seeds. A spacing of 15 cm between the rows and 8 cm within the rows is optimum for Garlic.
CHILLI	Vegetative stage	<ul style="list-style-type: none"> • To manage aphids at early stage, put 8 number of yellow sticky traps per acre. You can also use Verticillium lecanii bio pesticide @ 5 g per lit of water. Spray Neem based pesticide 15000 PPM @ 600-ml/acre by mixing in 200-litre of water. If the infestation is severe than spray chemical pesticide Thiamethoxam 25 % WG @ 50-gram/acre or Acetamiprid 20 % SP @ 50- gram/acre in 200-liter of water.
POTATO	Vegetative stage	<ul style="list-style-type: none"> • There are chances of Early leaf Blight disease incidence in potato crop. To control early leaf blight in potato, spray Mancozeb 75% WP @600 g /acre or Carbendazim 12% + Mancozeb 63% W.P @ 400 g /acre.
CAULIFLOWER	Vegetative to Curd formation stage	<ul style="list-style-type: none"> • 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.
FISHERY		<ul style="list-style-type: none"> • During winters, there is a possibility of “EUS” disease in fish. Farmers are advised to apply Cifax @ 400 ml mixed with 40 litre of water in one acre pond area as a preventive measure. • The fishes should be fed daily with oil cake bran mixture at the rate of 2-3 % of their total biomass.
POULTRY		<ul style="list-style-type: none"> • Cleaning and spreading of bleaching powder at every alternate day is highly essential for a poultry unit during winter season. • If any symptom like drowsiness, cough and distorted feet appears in the poultry birds then immediately contact the nearest veterinarian.
ANIMAL HUSBANDY		<ul style="list-style-type: none"> • During winter supply extra heat for newborn for preventing Pneumonia and Diarrhoea. • Maintaining proper cleaning and ventilation under the shade. Dry cleaning should be followed in winter season.

Approved by ADR cum Nodal Officer
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