



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



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Week No.-51

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(FRIDAY)

**DISTRICT: DHENKANAL (Mid-central Table Land Zone)**

**Weather condition during last week (13.12.2025 to 19.12.2025)**

<b>Rainfall (mm)</b>	<b>0.0</b>
<b>Maximum Temperature (°C)</b>	<b>26.6-27.8</b>
<b>Minimum Temperature (°C)</b>	<b>12.0-13.5</b>

**Forecast (Up to 24.12.2025) 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)
20-12-2025	0	24	9	0	81	36	5	306
21-12-2025	0	24	9	1	88	36	4	315
22-12-2025	0	24	10	3	88	36	3	315
23-12-2025	0	24	10	1	86	35	5	321
24-12-2025	0	24	10	1	83	36	4	323

**Weather Summary:**

According to the IMD forecast, Dhenkanal district is likely to dry for the next 5 days. The sky is expected to be clear to partly cloudy. Wind speeds are anticipated to 03-05 km/h. Maximum and minimum temperatures will be 24°C and 09-10°C respectively. Maximum relative humidity is predicted to be between 81% to 88% and minimum relative humidity ranging from 35% to 36% during this period.

**WARNING :-** No Warning

**Agromet Advisory**

**General Advisory:**

- ❖ Present foggy weather condition may aggravate Aphid, powdery mildew and early blight in winter vegetables. If symptoms noticed, undertake appropriate plant protection measures.
- ❖ Cover the recently planted Cole crops with paper pockets during night time to avoid low temperature.

Crop	Stage	Crop and Livestock specific Advisory
<b>PADDY</b>	Nursery stage	<ul style="list-style-type: none"> <li>• Apply light irrigation preferably bore well water to the paddy nursery in the evening to maintain the soil temperature favorable for seedling growth.</li> <li>• During cool winter days to protect the paddy nursery, apply a thin layer of well decomposed FYM in wet bed to keep the bed relatively warm. Use polythene to cover the paddy nursery at night-time.</li> </ul>
<b>SUGARCANE</b>	Planting stage	<ul style="list-style-type: none"> <li>• December to February is the optimum time for planting of sugarcane for our climate. Farmers are advised to go for planting of sugarcane in well-drained soil having good irrigation facility.</li> </ul>
<b>BLACK GRAM &amp; GREEN GRAM</b>	Vegetative stage	<ul style="list-style-type: none"> <li>• Due to low temperature and foggy condition there is a chance of powdery mildew disease in Black gram and Green gram. To control this disease, spray Sulphur 80% WP @800 g/acre or Hexaconazole 5% E.C @ 300 ml/acre.</li> </ul>
<b>SESAME</b>	Vegetative stage	<ul style="list-style-type: none"> <li>• To manage leaf spot disease in Sesame crop spray Copper oxychloride 50% WP @ 400-gram/acre or Mancozeb @ 600 gm/acre or Hexaconazole @ 200 gram/acre. To spray the fungicide 200-litre of</li> </ul>

		water per acre is required.
<b>GROUNDNUT</b>	Vegetative stage	<ul style="list-style-type: none"> <li>• 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.</li> <li>• 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.</li> <li>• 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.</li> </ul>
<b>MUSTARD</b>	Vegetative stage	<ul style="list-style-type: none"> <li>• 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.</li> <li>• 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.</li> </ul>
<b>CUCURBITS</b>	Flowering / Fruiting stage	<ul style="list-style-type: none"> <li>• There will be increase infestation of downy mildew due to present low temperature and foggy condition. To control this disease in cucurbits, Spray Metalaxyl 8% + Mancozeb 64% W.P @ 400 g/acre or Fosetyl - AL 80 % WP @ 600 g/acre.</li> </ul>
<b>INDIAN BEAN</b>	Fruiting stage	<ul style="list-style-type: none"> <li>• To manage aphids at early stage, put 8 numbers of yellow sticky traps per acre. Spray Neem based pesticide 15000 PPM @ 600ml/acre by mixing in 200litre of water. If the infestation is severe than spray chemical pesticide Thiamethoxam 25 % WG @ 50g/acre or Acetamiprid 20 % SP @ 50 g/acre in 200-liter of water.</li> </ul>
<b>SPINACH</b>	Sowing stage	<ul style="list-style-type: none"> <li>• Some varieties of Palak are Pusa Palak, All Green, Pusa Jyoti, Pusa Harit, Komal, Punjab Green. For cultivation of Palak 10 12 kg seed is required per acre. Line sowing is done with a spacing of 20 cm and 2-3 cm depth. Let's discuss about seed treatment and sowing time of Palak. Soak the seeds in water for 10-12 hour before sowing.</li> </ul>
<b>POTATO</b>	Vegetative stage	<ul style="list-style-type: none"> <li>• 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.</li> </ul>
<b>POULTRY</b>		<ul style="list-style-type: none"> <li>• In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.</li> </ul>
<b>ANIMAL HUSBANDY</b>		<ul style="list-style-type: none"> <li>• In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals.</li> </ul>

Approved by ADR cum Nodal Officer  
GKMS-AMFU, RRTTS  
Mahisapat, Dhenkanal

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