



Gramin Krishi Mausam Sewa
INDIA METEOROLOGICAL DEPARTMENT
ODISHA UNIVERSITY OF AGRICULTURE & TECHNOLOGY
Mahisapat, Dhenkanal- 759 013



Deepanjali Dugal,
Jr. Agrometeorologist

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DISTRICT: DHENKANAL (Mid-central Table Land Zone)

Weather condition during last week (13.12.2023 to 19.12.2023)

Rainfall (mm)	0.0
Maximum Temperature (°C)	26.9-28.2
Minimum Temperature (°C)	12.2-14.2

Forecast (Up to 24.12.2023) 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)
20-12-2023	0	27	12	1	52	28	5	180
21-12-2023	0	27	12	1	50	24	5	112
22-12-2023	0	27	12	3	61	22	4	79
23-12-2023	0	26	13	2	74	25	4	116
24-12-2023	0	28	14	3	69	26	5	112

As per IMD forecast, the Dhenkanal district is likely to dry for the next five days with mainly clear to partly cloudy sky. The wind speed is likely to remain 04-05 km/h. The maximum temperature is likely to remain between 26-28°C and minimum temperature between 12-14°C. The maximum RH will remain between 50% to 74% and minimum RH between 22% to 28% for the next five days.

Agromet Advisory

- ❖ Cover the recently planted Cole crops with paper pockets during night time to avoid low temperature.
- ❖ Sunflower crop is at 25-30 days stage. Go for hoeing and weeding and thinning and apply N -fertilizer.
- ❖ Early planted potato crop is at 3 week stage. Go for hoeing and weeding and apply the rest 30-45 Kg N/acre.

PADDY: Apply light irrigation preferably bore well water to the paddy nursery in the evening to maintain the soil temperature favorable for seedling growth. 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.

BLACKGRAM AND GREENGRAM: 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.

SUGARCANE: November to February is the optimum time for planting of sugarcane for Odisha climate. Farmers are advised to go for planting of sugarcane in well drained soil having good irrigation facility.

MUSTARD: To manage leaf Webber and Sawfly pests at early stage of infestation spray neem-based pesticide (Neem Oil 1500 PPM) @ 600-ml/acre by mixing in 200-litre of water. After 7-10 days, spray Bacillus thuringensis @ 500 g/acre by mixing in 200-litre of water. For chemical control, 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. Apply the insecticides in the afternoon hours so that the movement of Honeybees will not be disturbed.

POTATO: There are chances of early and late 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. For controlling late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400 g /acre at 10 days interval.

CAULIFLOWER: To manage Alternaria leaf spot disease in Cole crops spray Mancozeb 75 % WP @ 600-gram/acre or carbendazim 12 % + Mancozeb 63 % WP @ 400-gram/acre by mixing in 200-litre of water.

CUCURBITS: To control downy mildew in cucurbits, Spray Metalaxyl 8% + Mancozeb 64% W.P @ 400 g/acre or Fosetyl -AL 80 % WP @ 600 g/acre.

MARIGOLD: To manage Leaf eating caterpillar pest biologically use Pheromone trap Spodolure @ 6/acre. Install light trap @ 8 nos. Apply Bacillus thuringensis @ 500 g/acre or Beauveria bassiana @ 500 g/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.

ANIMAL HUSBANDRY: 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.

Approved by Associate Director of Research

RRTTS, Mahisapat, Dhenkanal

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