



Agromet Advisory Bulletin

Date : 2025-12-30

Weather Forecast of District MAYURBHANJ (Odisha) Issued On : 2025-12-30 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-12-31	2026-01-01	2026-01-02	2026-01-03	2026-01-04
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	23.0	23.0	24.0	24.0	24.0
Tmin(°C)	11.0	11.0	12.0	12.0	12.0
RH-I(%)	71	76	80	77	74
RH-II(%)	29	30	32	33	36
Wind Speed(kmph)	4	4	2	3	4
Wind Direction(Degree)	336	323	292	304	315
Cloud Cover(Octa)	3	4	3	3	2
Warning	Fog	Fog	No Warning	No Warning	No Warning

Forecast Summary:

The district is likely to remain dry during the next 5 days with partly sky. Fog warning has been issued by IMD for the next 2 days. The average wind speed will remain within 2.0 to 4.0 kmph up to next five days. The daily maximum temperature may range between 23.0°C to 24.0°C. The minimum temperature may rise between 11.0°C to 12.0°C. Relative humidity during morning may range between 71 to 80 percent and that during the afternoon may range between 29 to 36 percent.

Weather Warnings (Valid Till 08:30 IST of the next day)

Fog warning has been issued by IMD for the next 2 days.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

No impact

General Advisory:

Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from fog, low temperature and moisture stress. Due to low night temperature and fog condition, 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 appropriate plant protection measures. Carry out weeding, hoeing and other intercultural operations in Rabi vegetables. In Cole crops irrigation should be done at 7-8 days interval depending upon soil moisture and weather condition. In winter during cold hours farmers should keep doors, windows and open spaces in cow sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air. For maintaining the heat in the poultry shed during winter season, install heaters in the shed.

SMS Advisory:

Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE	Soon after noticing the infestation of the stored grain insect pest, take up fumigation by using Aluminium phosphide (do not use in dwelling houses) tablets @ of 3 tablets/ ton grain (total 9 g of tablets) in fairly air tight containers or by covering with thick tarpaulin leaving no gaps. The tablets should be wrapped in cotton pouches before placing them in the stacks. All the corners of plastic cover should be plastered with 6- inch thick layer of mud/ adhesive tapes to prevent leakage of gas. Minimum exposure period is for about 7-10 days.
MUSTARD	Optimum time for sowing of Rabi mustard has come, use varieties like T-9, PT-303, Nirmal black gold, ultra and Sushree I Use 3-5 kg of seed for line sowing. Use 3 gram of Captan or Thiram per 1 kg of seed. Give spacing of 20*10 cm in late varieties and 30*10 cm in early sown varieties.
GREEN GRAM	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. Before sowing, treat the seeds with Rhizobium culture @ 20-gram/ kg of seeds. 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.
SUNFLOWER	Sunflower is a profitable rabi oilseed crop. Now the time is optimum for sowing of sunflower. Grow high yielding varieties like Morden, Sunrise, Surya and Hybrid varieties like KBSH-1, KBSH-3 and MSFH. Use 4 kg seeds/acre for high yielding varieties for rainfed condition, 3.5 kg for irrigated condition, 2-2.5 kg seeds/acre for hybrid varieties under rainfed condition and 1.5-2 kg seeds for irrigated condition. Before sowing treat the seeds with 2 g Carbendazim/kg seeds. To protect the crop from fungal wilt, treat the seeds with 4 g Trichoderma/kg. Soak the seeds for 10-12 hours for better germination. Use 600 g PSB culture per acre after draining out the water. Apply 2 ton FYM along with 8:16:12 kg NPK per acre for high yielding varieties and double of it for hybrid varieties before sowing. Sow the seeds 30 cm apart maintaining a row spacing of 45 cm for loamy soil and 60 cm for clayey soil.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
BRINJAL	To control Phomopsis Blight disease in Brinjal spray Metalaxyl 8%+ Mancozeb 64 % WP @ 400 gram/acre or Propineb 70 % WP @ 400-gram/acre.
TOMATO	The tomato seedlings in nursery are one to three week stage. Drench the seed bed with streptomycin 0.1g with carbendazim 1g mixing in one litre water to protect seedlings from damping off. Prepare main field for transplanting tomato seedlings when they become 3-4 week old in nursery. After final land preparation of the main field, rings or mounds should be prepared at spacing of 60cm from row to row and 45cm from plant to plant within the row for tomato. Basal dose of 52kg DAP, 7kg Urea and 66kg MOP should be applied per acre crop area before transplanting seedlings to mounds.
TOMATO	Use yellow sticky traps @ 8-10/acre to attract and kill the insects. During primary stage of pest infestation spray neem-based pesticide (Azadirachtin) 1500 PPM @ 600 ml/acre by mixing in 200 litre of water. 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.
OKRA/ LADYFINGER	To manage sucking pest like aphids, Jassids, thrips and whiteflies in Okra spray neembased pesticide (Neem Oil 1500 PPM Azadiractin @600-ml/acre by mixing it in 200-litre of water or install 8-10 Nos of Yellow sticky traps per acre to control the pest. Spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre or Fenobucarb @ 400-ml/acre or

Horticulture (Stage)	Horticulture Specific Advisory
	Tolfenpyrad 15 % EC @ 400- ml/acre by mixing it in 200-litre of water when infestation is severe.
CAULIFLOWER	Apply 33-kg of Urea and 23 kg MOP per acre after hoeing and hand weeding at 15-20 DAT and 33 kg of urea and 23-kg of MOP per acre as last top-dressing fertilizer at 30-35 DAT. If Borax was not applied during transplanting of seedlings than spray Borax @ 4 kg/acre 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.
ONION	The onion seedlings in nursery are germination to one week stage. Complete nursery preparation for sowing onion and sowing seeds in nursery. For onion use varieties like Agrifound light Red, Bhima Super, Bhima Red, Bhima Shakti and seed rate is 4-5 kg/ac. Cover the nursery to protect from sunrays and rain. For 1 acre crop the nursery area should be of 50 sq.m (of dimension 3m X1m X 0.15 m). Seed treatment with Bavistin 1g + Thriam 2 g per kg seed should be done before sowing in the nursery. Drench the seed bed with streptocycline 0.1g with carbendazim 1g mixing in one liter water to protect seedlings from damping off.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
COW	Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals.

Fisheries Specific Advisory:

Fisheries	Fisheries Specific Advisory
COMMON FISH	During winters, various fungal, bacterial and parasitic diseases may appear in the fish. Treat the pond with CIFAX @ 400 ml/acre just before the onset of winters. Also treat the pond with potassium permanganate @ 1-2 kg/acre or limestone @ 50-100 kg/acre. Salt application @ 100 kg/acre also helps in protecting fish against disease outbreak during winters.

Poultry Specific Advisory:

Poultry	Poultry Specific Advisory
CHICKEN	Provision for 2 watt light bulb per chick to ensure their health from cold wave. Provide required and necessary vaccination to the chicks. The space left for ventilation must be closed in night, as the night temperature is expected to fall in coming days.

Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation)	Others (Soil / Land Preparation) Specific Advisory
PLANT PROTECTION	There is chance of infestation of seedling rot in vegetables like tomato, chilli and brinjal. To manage this disease, drench the root zone with a solution of 1.5-gram Streptocycline and 20-gram Metalaxyl 8% + Mancozeb 64 % WP mixed in 10 litres of water.

Likely impacts of weather warnings (General)

No impact

Impact based advisories (General)

No impact

Farmers are advised to download Unified “Mausam” and "Meghdoot" android application on mobile for Weather forecast and weather based Agromet Advisories and "Damini" android application for forecast of Thunderstorm and lightening.

Mausam MobileApp link: <https://play.google.com/store/apps/details/>

Meghdoot MobileApp link: <https://play.google.com/store/apps/details>

Damini MobileApp link : <https://play.google.com/store/apps/details>