

**UNIVERSITY OF AGRICULTURAL SCIENCES, BENGALURU &
INDIAN METEOROLOGICAL DEPARTMENT**



**GRAMIN KRISHI MAUSAM SEWA
AMFU, OFRS, NAGANAHALLI,
MYSURU - 570003**



Date:24-01-2025

AGRO-ADVISORY BULLETIN FOR MYSURU DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	21.01.2025	22.01.2025	23.01.2025	24.01.2025
Rainfall (mm)	0	0	0	0
Max. Temp. (°C)	30	30.2	31	31.8
Min. Temp. (°C)	14.7	14.9	15.4	15.6
Sky condition (Octas)	0	0	2	3
Relative humidity (%) 0830 hours	57	59	71	73
Relative humidity (%) 1730 hours	52	-	55	31
Wind Speed (km/h)	4	4	6	4
Wind Direction	50	40	90	90

Weather forecast for the next five days (From 25-01-2025 to 29-01-2025)

Parameter	25.01.2025	26.01.2025	27.01.2025	28.01.2025	29.01.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	28	28	28	28	28
Min.Temp (°C)	17	17	17	17	17
Sky condition (Octas)	3	3	3	3	3
Relative humidity (%) 0830 hours	73	73	73	71	71
Relative humidity (%) 1730 hours	35	35	35	33	33
Wind Speed (kmph)	12	12	12	10	10
Wind Direction	61	54	54	49	52

Forecast Summary

As forecast received from IMD, partially cloudy sky with **no rainfall** may be expected from 25.01.2025 to 29.01.2025 in Mysuru district. The day temperature is expected to be 28°C & night temperature is expected 17°C. The relative humidity in the morning hours is expected to be 71% - 73% & afternoon relative humidity is expected to be in the range of 33 to 35% Wind speed expected to be 10-12 km/hr.

SMS Advisory

Farmers who have not yet harvested paddy are advised to proceed with harvesting as there is very light rainfall expected in the next 5 days.

Recommendations to the farmers:-

Crop	Pest/Disease	Damage symptoms	Control measures
General Advisory:			
<ul style="list-style-type: none">• Optimal Moisture Levels: Ensure cereals are dried to 12%, pulses to 9-10%, and oilseeds to 7-8% moisture content before storage.• Storage Practices: Use moisture-proof containers or jute bags lined with polythene. Keep storage spaces clean, ventilated, and elevated to prevent pest infestation and mold growth.• Pest and Quality Management: Regularly inspect stored produce for pests or mold. Use natural repellents like neem leaves or fumigants (with caution) for long-term protection.			

Weather based advisory

Crop	Stage	Advisory
Paddy	Harvest stage	Complete harvesting in dry conditions to avoid light rain damage. Dry harvested grains immediately to prevent fungal infections.
Maize	Flowering/Harvest	Apply light irrigation if needed during flowering; for mature crops, complete harvest early to avoid quality loss due to rains.
Tomato	Vegetative stage	Ensure timely nutrient application to boost growth. Monitor for leaf curl virus and aphids; spray neem oil or recommended insecticides if needed.
Cabbage, Cauliflower	Head formation stage	Protect heads from pests like diamondback moth and aphids using safe insecticides or neem-based sprays. Ensure light irrigation to maintain soil moisture.
Bean, Field Bean	Pod formation stage	Stake plants to prevent lodging from moderate winds. Spray bio-pesticides to control pod borer infestation.
Chilli	Vegetative/Fruit development	Apply micronutrient sprays for fruit development. Monitor for thrips and fruit rot; apply organic treatments as needed.
Banana	Fruit development stage	Provide staking for plants to prevent lodging. Apply potassium-based fertilizers to enhance fruit quality.
Horticultural Crops	Various stages	Regularly monitor for pest infestations like aphids, thrips, and fungal infections; ensure adequate nutrient supply.

Sugarcane trash management

- **Composting:** Convert trash into organic manure.
- **Mulching:** Use as mulch to conserve moisture and suppress weeds.
- **Bio-decomposer:** Spray bio-decomposers (e.g., *Trichoderma*, *Pseudomonas*) on trash piles to accelerate decomposition.
- **Soil Incorporation:** Shred and plow trash into the soil.
- **Vermicomposting:** Use in vermiculture for nutrient-rich compost.
- **Animal Bedding:** Use for livestock, later as manure.

➤ **Avoid Burning:** Opt for sustainable disposal methods.

Category	Advisory
Livestock	
Shelter	Ensure proper insulation in sheds to maintain warmth. Use dry bedding materials like straw.
Water Supply	Provide clean and lukewarm water to maintain hydration and prevent cold stress.
Feed	Increase feed with higher energy content (e.g., grains or concentrates) to help animals cope with cold.
Vaccination	Administer vaccines for HS (Haemorrhagic Septicaemia) and FMD (Foot and Mouth Disease) .
Precautions	Regularly check for frostbite or cold stress symptoms (shivering, lethargy). Avoid sudden exposure to extreme cold.
Poultry	
Shelter	Maintain optimum temperatures in poultry sheds using heaters or bulbs. Ensure proper ventilation to avoid respiratory issues.
Water Supply	Provide warm drinking water and avoid freezing of water in cold conditions.
Feed	Provide high-energy feeds to help birds maintain body temperature. Supplement with vitamins (A, D, E).
Vaccination	Ensure vaccination against Newcastle Disease and Infectious Bursal Disease (IBD) .
Precautions	Avoid overcrowding to prevent stress and disease spread. Check for symptoms of respiratory infections.

Recommendation to farmers

Crop specific advisory:

Crop	Stage	Advisory
Cabbage diamond back moth	Head stage	<ul style="list-style-type: none"> • Spray DDVP 76 EC. @0.5 ml./lit water in nursery. • 15 days before transplanting around the main field and every 25 rows of cabbage one row of mustard sowing, 15 to 20 days after cabbage planting another row of mustard sowing. Mustard as trap crop. Spray on mustard with 0.5 ml. DDVP in a lit. water. • During head formation, spray 5 per cent NSKE . • Birdpurchases may be provided to attract predatory birds.
Tomato whiteflies	Fruiting stage	Spray 1.0ml.Oxydemeton methyl 25 EC in a lit. water.
Bean Pod borer	Pod formation stage	Spray 2.0 ml. Malathion 50 EC./ lit. water .
Tomato Early and late blight of tomato	Fruiting stage	For late blight of tomato 15 days prior to transplanting Trichoderma and Pseudomonas enriched compost may be incorporated to the soil. For early blight control spray 2.0 g. Mancozeb 75 WP OR 2.0 g. Maneb OR

		2.0 g. Metalaxyl- MZ 72WP. OR 2.0 g. Dimethomorph + polyram/lit. water. For control of late blight spray 2.0 g. Metalaxyl - MZ 72WP. OR 2.0 g. Fosetyl al 80 WP OR 2.0 g. Dimethomorph + polyram in a lit. water, 5 weeks after transplanting. Repeat the spray 7th, 9th and 11th weeks after transplanting. 200- 250 lit. spray solution required/acre/spray.
Red gram Sterility mosaic	Pod initiation stage	Pull out the infested plants and destroy. 20 - 25, 40 - 45 days after sowing spray 2.5 ml. Dicofol 18.5 EC./lit. water. ICP 7035 sterility mosaic resistant red gram variety.
Banana Leaf spot (Cigatoka)	Fruit development	In endemic areas grow resistant banana variety - Sakkare bale. At the time of planting the rhizomes may treated with any one of the Fungicides /lit. water a)Propiconazole 25 EC.- 1.0 ml. b)Theiophenate methyl 70 Wdiv.- 1.0 g. c)Carbendazim 50 Wdiv.- 1.0 g. d)Metham Sodium (Vapom) - 1.0 g. In Mashy area provide drainage.
Field bean pod borer	Pod development	Dust 10 kg. Fenvalrate 0.4 D. OR Malathion 5 D. per acre during morning hours.

Block level weather forecast (From 25-01-2025 to 29-01-2025)

H.D. Kote					
Parameter	25.01.2025	26.01.2025	27.01.2025	28.01.2025	29.01.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	31.2	31.4	31	31.1	31
Min.Temp (°C)	15.7	16	15.5	15.1	15.2
Sky condition (Octas)	3	4	6	4	6
Relative humidity (%) 0830 hours	83.5	75.8	58.4	59.2	56.2
Relative humidity (%) 1730 hours	18.9	16.7	13.7	15.2	17.5
Wind Speed (kmph)	7.9	7.4	6.7	5	4.2
Wind Direction	50.5	43	36.2	21	30.9

Hunsuru

Parameter	25.01.2025	26.01.2025	27.01.2025	28.01.2025	29.01.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	30.2	30.8	30.6	30.4	30.5
Min.Temp (°C)	15.7	15.9	15.4	15.4	15.5
Sky condition (Octas)	3	4	7	5	5
Relative humidity (%) 0830 hours	80.1	77	63	59.2	56
Relative humidity (%) 1730 hours	22.6	16.6	13.4	16	18.1
Wind Speed (kmph)	8.7	7.4	7.1	6.3	5.1
Wind Direction	48.3	43	45	30.9	45

K.R. Nagara

Parameter	25.01.2025	26.01.2025	27.01.2025	28.01.2025	29.01.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	30	31	30.7	30.2	30.6
Min.Temp (°C)	15.7	16	15.5	15.2	15.7
Sky condition (Octas)	4	4	7	5	5
Relative humidity (%) 0830 hours	78.1	75.6	61.6	58.4	56.9
Relative humidity (%) 1730 hours	23	15.6	12.3	15.4	17.7
Wind Speed (kmph)	8.4	7.3	7.1	4.8	5.2
Wind Direction	59	57.1	59.5	42	74

Mysuru

Parameter	25.01.2025	26.01.2025	27.01.2025	28.01.2025	29.01.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	30.2	30.9	30.8	30.7	30.8
Min.Temp (°C)	16.2	16.5	16.1	16.2	16.4
Sky condition (Octas)	4	4	6	5	5
Relative humidity (%) 0830 hours	78.7	75.4	63.2	59.7	57.2
Relative humidity (%) 1730 hours	23.4	16	12.4	15.8	17.8
Wind Speed (kmph)	10.6	9.2	8.5	6.3	5.5
Wind Direction	61.7	59.4	62.3	59	66.8

Nanjanagudu

Parameter	25.01.2025	26.01.2025	27.01.2025	28.01.2025	29.01.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	30.9	31.4	31.1	31.2	31
Min.Temp (°C)	16.8	16.2	15.8	15.7	16.6
Sky condition (Octas)	3	4	6	4	6
Relative humidity (%) 0830 hours	81.4	74.4	57.8	58.8	58.9
Relative humidity (%) 1730 hours	21.9	17.4	13.2	15.6	18.6
Wind Speed (kmph)	7.1	6.8	4.8	4.7	2.2
Wind Direction	66	71.6	77	0	99.5

Piriapatna

Parameter	25.01.2025	26.01.2025	27.01.2025	28.01.2025	29.01.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	30	30.4	30.2	29.9	29.8
Min.Temp (°C)	14.5	14.6	14.6	14.4	14.2
Sky condition (Octas)	4	4	6	4	5
Relative humidity (%) 0830 hours	85.5	77.6	63.5	60.6	57.7
Relative humidity (%) 1730 hours	21.2	16.2	13.4	16	18.6
Wind Speed (kmph)	7.7	7.7	6.4	5.3	4.2
Wind Direction	48.8	52.6	42.7	28.3	30.9

T. Narasipura

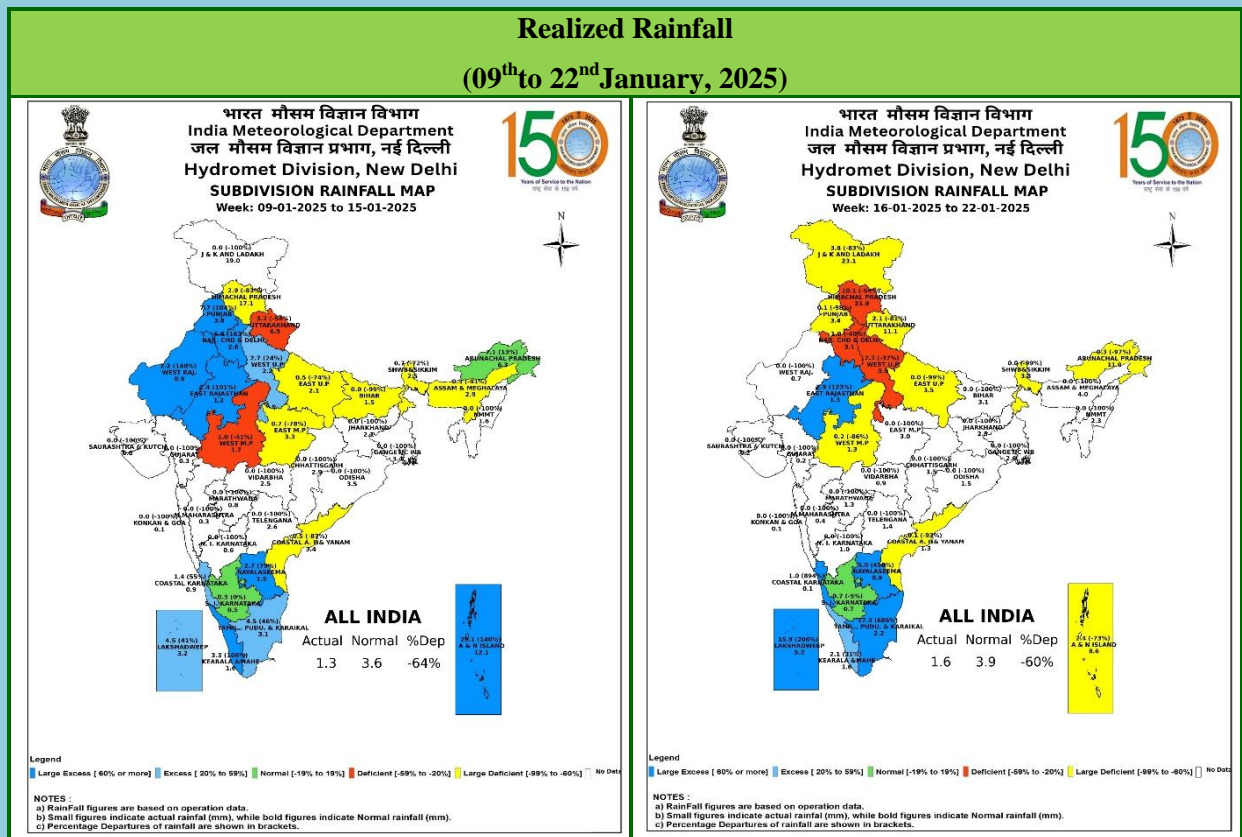
Parameter	25.01.2025	26.01.2025	27.01.2025	28.01.2025	29.01.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	30.2	31.1	31.2	31	30.8
Min.Temp (°C)	16	16.2	15.8	15.8	15.9
Sky condition (Octas)	3	4	6	4	5
Relative humidity (%) 0830 hours	81.5	76.3	65.1	60.3	59.5
Relative humidity (%) 1730 hours	23.5	16.3	12.8	16.2	18.2
Wind Speed (kmph)	7.7	6.8	6.3	3.9	3.2
Wind Direction	62.2	58	59	56.3	63.4

- Download “DAMINI” app to get early warning on lightening and take precautions based on the alert given by the application.
- Kindly download “MAUSAM” APP for location specific forecast & warning & “MEGHDOOT” APP for Agromet advisory
- This information is available in the website: mausam.imd.gov.in

For any information farmers can contact **Dr.C.Ramachandra**, Senior Farm Superintendent/ **Dr. Sumanth Kumar.G.V**, Technical officer over phone No.0821-259126/ 9535345814.

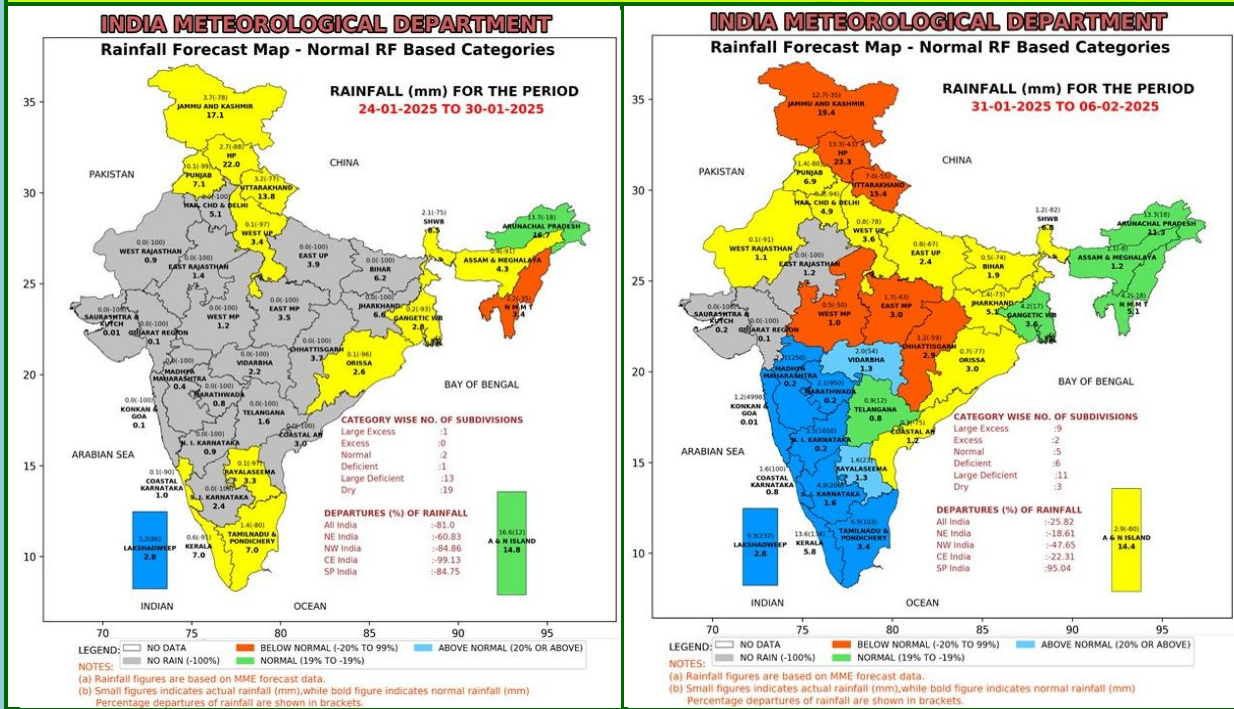
**AMFU of IMD,
Naganahalli, Mysuru**

वास्तविक वर्षा तथा विस्तारित अवधि पूर्वानुमान
Realized Rainfall and Extended Range Forecast
 (वर्षा और तापमान)
(Rainfall and Temperature)



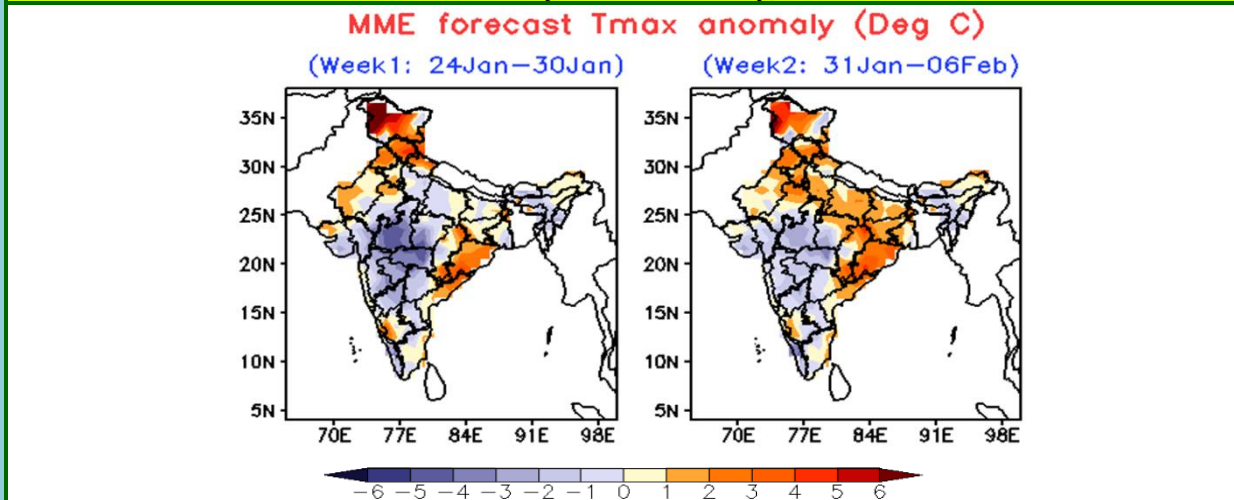
Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC- 22ndJanuary,2025) (24th January to 06th February, 2025)



- **Week1(24.01.2025 to 30.01.2025):** Rainfall is likely to be normal over Arunachal Pradesh and below normal over some parts of North West India.
- **Week 2 (31.01.2025 to 06.02.2025):** Rainfall is likely to be normal to above normal over Arunachal Pradesh, Kerala and Karnataka and below normal over some parts of North West India.

Maximum and Minimum temperature anomaly (°C) forecast for the next 2 weeks (IC- 22ndJanuary,2025) (24th January to 06th February, 2025)

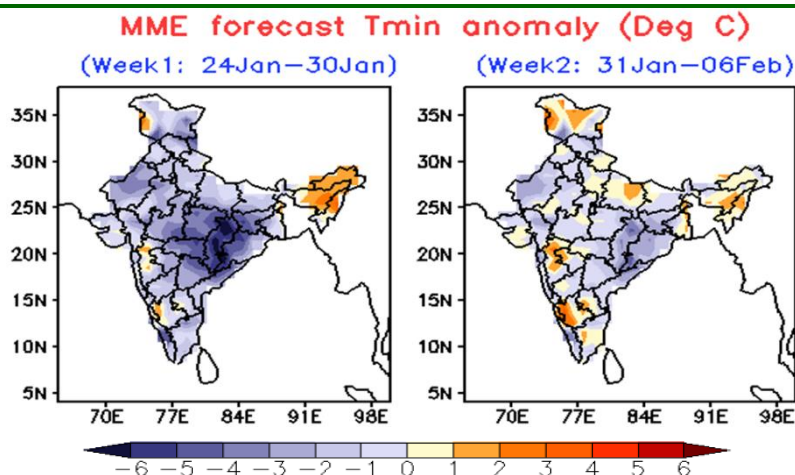


Maximum Temperature (Tmax)

- **Week 1 (24.01.2025 to 30.01.2025):** Maximum temperature is likely to be below normal over many parts of Central India, West India, Uttar Pradesh, Telangana and Kerala.

However, it is likely to be above normal over East India, many parts of North West India, parts of Chhattisgarh, Coastal Andhra Pradesh and Karnataka.

- **Week 2 (31.01.2025 to 06.02.2025):** Maximum temperature is likely to be below normal over Central India, many parts of West India, Kerala and Telangana. However, it is likely to be above normal over East India, North West India, parts of Chhattisgarh, Coastal Andhra Pradesh and Arunachal Pradesh.



Minimum Temperature (Tmin)

- **Week 1 (24.01.2025 to 30.01.2025):** Minimum temperature is likely to be below normal over normal or close to normal over most of the country. However, it is likely to be above normal over North East India, some parts of Karnataka and Madhya Maharashtra.
- **Week 2 (31.01.2025 to 06.02.2025):** Minimum temperature is likely to be below normal over East India, many parts of Central India, some parts of North West India and South India. It is likely to be above normal over North East India, Jammu & Kashmir, East Uttar Pradesh, parts of Madhya Maharashtra and Karnataka.