

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



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



Date:03-01-2025

AGRO-ADVISORY BULLETIN FOR MYSURU DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	31.12.2024	01.01.2025	02.01.2025	03.01.2025
Rainfall (mm)	-	0	0	0
Max. Temp. (°C)	-	29.8	29.5	28.5
Min. Temp. (°C)	-	17.1	16.6	16.1
Sky condition (Octas)	-	3	3	1
Relative humidity (%) 0830 hours	-	4	20	67
Relative humidity (%) 1730 hours	-	30	41	52
Wind Speed (km/h)	-	192	192	8
Wind Direction	-	250	250	50

Weather forecast for the next five days (From 04-01-2025 to 08-01-2025)

Parameter	04.01.2025	05.01.2025	06.01.2025	07.01.2025	08.01.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	27.2	27.6	27.4	27.1	27.8
Min.Temp (°C)	15.2	14.4	14.5	14.9	15.5
Sky condition (Octas)	5	2	5	5	3
Relative humidity (%) 0830 hours	91	90	91	92	85
Relative humidity (%) 1730 hours	38	36	38	41	37
Wind Speed (kmph)	9.7	7.4	6.1	4.1	2.3
Wind Direction	59	61	50	52	51

Forecast Summary

As forecast received from IMD, partially cloudy sky with **no rainfall** may be expected from 04.01.2025 to 08.01.2025 in Mysuru district. The day temperature is expected to be 27.1°C to 27.8°C & night temperature is expected 14.4°C to 15.5°C. The relative humidity in the morning hours is expected to be 85% - 92% & afternoon relative humidity is expected to be in the range of 36% to 41%. Wind speed expected to be 2.3-9.7 km/hr.

SMS Advisory

Farmers who have not yet harvested paddy are advised to proceed with harvesting as there is no 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 04-01-2025 to 08-01-2025)

H.D. Kote					
Parameter	04.01.2025	05.01.2025	06.01.2025	07.01.2025	08.01.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	28.2	27.9	27.7	27.5	27.9
Min.Temp (°C)	17.5	16.6	16	15.4	14.5
Sky condition (Octas)	2	5	4	4	2
Relative humidity (%) 0830 hours	92.9	90.6	92	90.4	90.8
Relative humidity (%) 1730 hours	45.9	38.4	38.5	38	35.5
Wind Speed (kmph)	10	10.9	10	10	6.9
Wind Direction	49.4	55.8	59.7	52.3	47.1

Hunsuru

Parameter	04.01.2025	05.01.2025	06.01.2025	07.01.2025	08.01.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	28.1	27.7	27.2	27	27.2
Min.Temp (°C)	17	16.2	15.8	15.2	14.4
Sky condition (Octas)	3	5	4	5	2
Relative humidity (%) 0830 hours	91.7	91.5	92.2	89.2	88.8
Relative humidity (%) 1730 hours	43.3	35.2	35.6	35.2	34.9
Wind Speed (kmph)	11.2	11.9	11	11	8.3
Wind Direction	56.8	65	66.8	58.4	55.6

K.R. Nagara

Parameter	04.01.2025	05.01.2025	06.01.2025	07.01.2025	08.01.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	28.1	27.7	27.2	27	27.1
Min.Temp (°C)	16.9	16.2	16	15.2	14.4
Sky condition (Octas)	3	5	4	5	2
Relative humidity (%) 0830 hours	89.7	90.7	91.6	87.1	87.5
Relative humidity (%) 1730 hours	43.7	35.2	35.1	34.6	33.9
Wind Speed (kmph)	10.7	12.1	11.4	11.1	8.4
Wind Direction	57.4	67.2	71.6	60.9	59

Mysuru

Parameter	04.01.2025	05.01.2025	06.01.2025	07.01.2025	08.01.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	28.4	28.1	27.6	27.4	27.4
Min.Temp (°C)	17.4	16.8	16.2	15.7	15.1
Sky condition (Octas)	3	5	4	5	2
Relative humidity (%) 0830 hours	91.7	93	93.8	91.2	89.8
Relative humidity (%) 1730 hours	44.8	40.7	39.4	39.3	36.1
Wind Speed (kmph)	11.2	11.9	11.3	11.2	9.3
Wind Direction	56.8	61.1	67.5	56.8	62.4

Nanjanagudu

Parameter	04.01.2025	05.01.2025	06.01.2025	07.01.2025	08.01.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	28.7	28.2	28.2	27.8	28.1
Min.Temp (°C)	17.7	16.8	16.1	15.4	14.9
Sky condition (Octas)	2	5	3	4	2
Relative humidity (%) 0830 hours	94.4	92.9	92.4	91.8	90.1
Relative humidity (%) 1730 hours	45.9	42.2	40.9	41	37.7
Wind Speed (kmph)	8.5	8.7	7.7	7.4	6.8
Wind Direction	53.6	65.5	79.2	60.9	71.6

Piriapatna

Parameter	04.01.2025	05.01.2025	06.01.2025	07.01.2025	08.01.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	27.6	27.1	26.9	26.7	27
Min.Temp (°C)	16.6	15.9	15.2	14.8	13.7
Sky condition (Octas)	3	5	4	5	2
Relative humidity (%) 0830 hours	92.7	91.7	92.9	90.9	88.7
Relative humidity (%) 1730 hours	43	35.1	35.3	35.6	34.6
Wind Speed (kmph)	11.3	11.8	10.8	10.6	7.8
Wind Direction	59.3	66.6	68.5	61.7	56.3

T. Narasipura

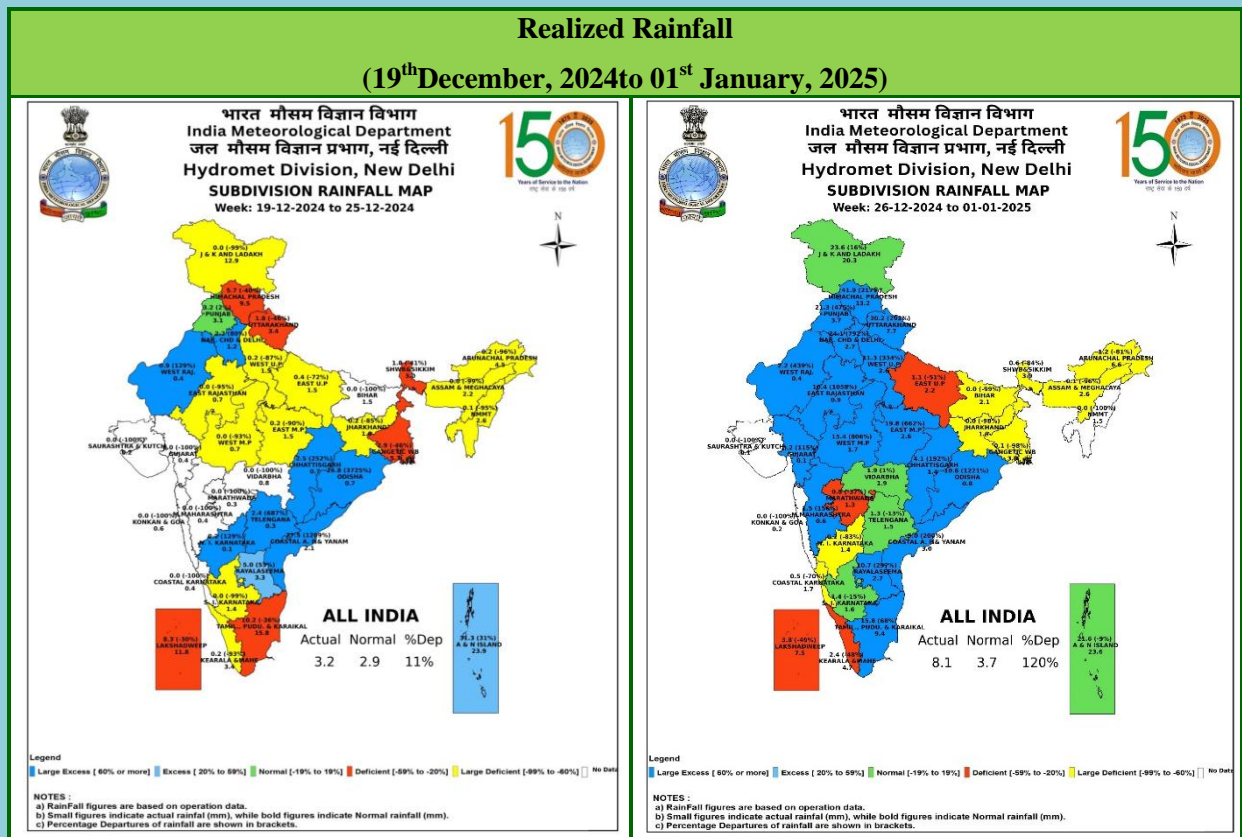
Parameter	04.01.2025	05.01.2025	06.01.2025	07.01.2025	08.01.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	28.8	28.5	27.9	27.7	27.7
Min.Temp (°C)	17.4	16.7	16.5	15.6	14.9
Sky condition (Octas)	3	5	3	4	2
Relative humidity (%) 0830 hours	94	96.3	97.1	96.5	92.1
Relative humidity (%) 1730 hours	44.3	42.1	40.4	44.4	36
Wind Speed (kmph)	9	10	8.4	8	7.4
Wind Direction	53.1	59.7	70	54.1	60.9

- 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.

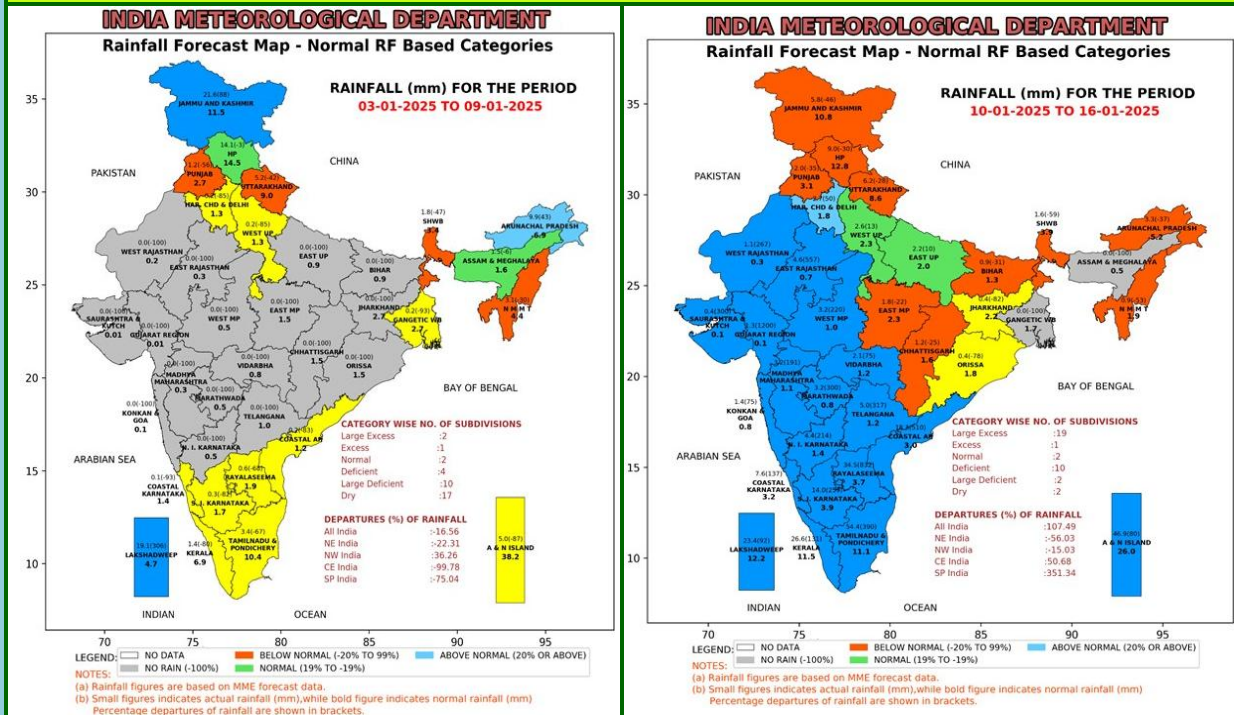
**AMFU of IMD,
Naganahalli, Mysuru**

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



Extended Range Forecast System

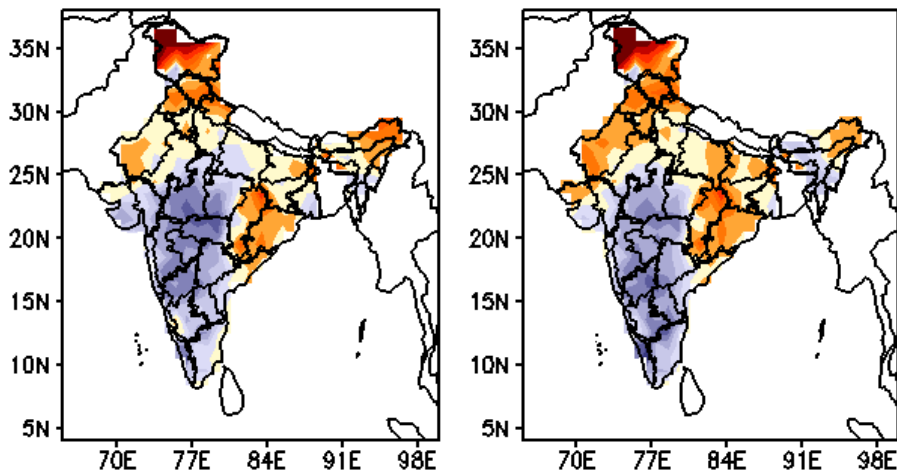
Rainfall forecast maps for the next 2 weeks (IC- 01st January,2025) (03rd to 16th January, 2025)

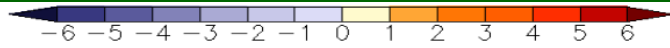


- **Week1(03.01.2025 to 09.01.2025):**Rainfall is likely to be above normal over Jammu & Kashmir.
- **Week 2 (10.01.2025 to 16.01.2025):**Rainfall is likely to be above normal over Tamil Nadu, Kerala, Rayalaseema, some parts of Coastal Andhra Pradesh and South Interior Karnataka.

Maximum and Minimum temperature anomaly (°C) forecast for the next 2 weeks (IC- 01st January,2025) (03rd to 16th January, 2025)

MME forecast Tmax anomaly (Deg C) (Week1: 03Jan–09Jan) (Week2: 10Jan–16Jan)





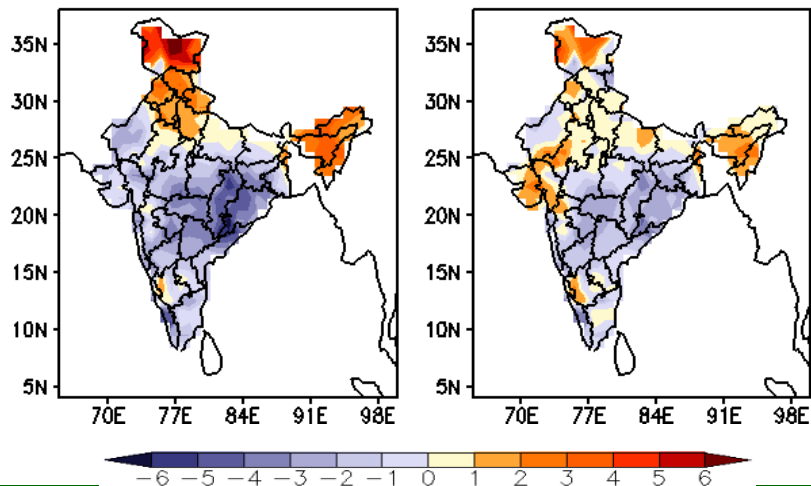
Maximum Temperature (Tmax)

- **Week 1 (03.01.2025 to 09.01.2025) and Week 2 (10.01.2025 to 16.01.2025):** Maximum temperature is likely to be below normal over Central and South India. However, it is likely to be above normal over East India, many parts of Chhattisgarh, North West India and North East India.

MME forecast Tmin anomaly (Deg C)

(Week1: 03Jan-09Jan)

(Week2: 10Jan-16Jan)



Minimum Temperature (Tmin)

- **Week 1 (03.01.2025 to 09.01.2025):** Minimum temperature is likely to be below normal over many parts of the country. However, it is likely to be above normal over North East India and many parts of North West India.
- **Week 2 (10.01.2025 to 16.01.2025):** Minimum temperature is likely to be below normal over Central and East India. It is likely to be above normal over many parts of North West India & North East India and some parts of Karnataka and West India.