

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



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



Date:24-12-2024

AGRO-ADVISORY BULLETIN FOR KODAGU DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

| Parameter | 21.12.2024 | 22.12.2024 | 23.12.2024 | 24.12.2024 |
|---|-------------------|-------------------|-------------------|-------------------|
| Rainfall (mm) | 0 | 0 | 0 | 0 |
| Max. Temp. (°C) | 30.8 | 30 | 28.5 | 27.7 |
| Min. Temp. (°C) | 19 | 18.1 | 16.1 | 17.1 |
| Sky condition (Octas) | - | - | - | - |
| Relative humidity (%) 0830 hours | 97 | 97 | 99 | 97 |
| Relative humidity (%) 1730 hours | - | - | - | - |
| Wind Speed (km/h) | - | - | - | - |
| Wind Direction | - | - | - | - |

Weather forecast for the next five days (From 25-12-2024 to 29-12-2024)

| Parameter | 25.12.2024 | 26.12.2024 | 27.12.2024 | 28.12.2024 | 29.12.2024 |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|
| Rainfall (mm) | 0 | 0 | 2 | 0 | 0 |
| Max. Temp. (°C) | 26.6 | 27.5 | 27.2 | 27.2 | 28.6 |
| Min. Temp. (°C) | 16 | 16 | 16 | 15 | 15 |
| Sky condition (Octas) | 4 | 4 | 4 | 3 | 2 |
| Relative humidity (%) 0830 hours | 96 | 93 | 91 | 92 | 94 |
| Relative humidity (%) 1730 hours | 54 | 48 | 52 | 50 | 46 |
| Wind Speed (kmph) | 1.3 | 3.4 | 5.7 | 7.3 | 7.5 |
| Wind Direction | 56 | 58 | 72 | 79 | 73 |

Forecast Summary

As forecast received from IMD, cloudy sky with **very light rainfall** may be expected from 25.12.2024 to 29.12.2024 in Kodagu district. The day temperature is expected to be 26.6-28.6°C & night temperature is expected 15°C to 16°C. The relative humidity in the morning hours is expected to be 91% and 96% & afternoon relative humidity is expected to be in the range of 46% to 54%. Wind speed expected to be 1.3-7.5 km/ hr.

SMS Advisory

- Complete harvesting of paddy and millets early and dry grains thoroughly to prevent spoilage.
- Avoid leaving harvested produce in the field; store under proper cover to prevent rain damage.

| Recommendations to the farmers:- | | | |
|---|--------------|-----------------|------------------|
| Crop | Pest/Disease | Damage symptoms | Control measures |
| General Advisory: | | | |
| <ul style="list-style-type: none"> • Fungal Diseases: High humidity can increase fungal infections. Use bio-fungicides like Trichoderma or appropriate chemical sprays for crops at risk. • Pest Monitoring: Install yellow and pheromone traps for crops like red gram, beans, and tomato to monitor pest activity. • Nutrient Management: Apply foliar sprays of micronutrients where nutrient deficiency symptoms appear, especially in horticultural crops. | | | |

| Crop | Stage | Advisory (Including Pest and Disease Control Measures) |
|----------------------------|-------------------------------|--|
| Paddy | Harvesting | Harvest crops promptly in dry weather. Dry and store harvested grains to avoid fungal infections. |
| Coffee | Harvest stage | Continue harvesting ripe berries. Ensure quick processing to avoid quality loss. |
| Black Pepper | Berry development | Protect from pests like whiteflies. Ensure proper irrigation and avoid overwatering. |
| Arecanut | Nut development to harvesting | Harvest mature nuts and store them in a cool, dry place. Protect from pests. |
| Coconut | Nut development | Ensure proper irrigation and nutrient application to support healthy nut development. |
| Cardamom | Harvesting | Continue harvesting ripe pods. Dry harvested pods in a shaded area to prevent quality loss. |
| Banana | Bunch development | Provide proper staking to avoid plant lodging. Apply potassium-rich fertilizers for healthy fruit. |
| Ginger and Turmeric | Harvesting | Harvest mature ginger rhizomes. Cure them properly before storage to avoid spoilage. |

| Advisory for Livestock and Sericulture | | | |
|--|--|--|--|
| Category | Advisory | Pests and Diseases | Control Measures |
| Livestock | Provide clean drinking water and adequate shelter; avoid overcrowding in sheds. | Foot and mouth disease (FMD), ticks | Vaccinate for FMD; use acaricides or herbal sprays to control ticks. |
| Sericulture | Ensure mulberry plantations are irrigated; maintain optimal humidity in rearing rooms. | Silkworm diseases (grasserie, flacherie) | Maintain hygiene; disinfect rearing rooms with 2% formalin solution. |

| Block level weather forecast (From 25-12-2024 to 29-12-2024) | | | | | |
|--|------------|------------|------------|------------|------------|
| Madikeri | | | | | |
| Parameter | 25.12.2024 | 26.12.2024 | 27.12.2024 | 28.12.2024 | 29.12.2024 |
| Rainfall (mm) | 0 | 0 | 0 | 5 | 0 |
| Max. temp (°C) | 25.5 | 27.1 | 26.6 | 26.2 | 27.7 |
| Min.Temp (°C) | 17.2 | 17.7 | 18.1 | 18.2 | 17.6 |
| Sky condition (Octas) | 4 | 3 | 5 | 5 | 1 |

| | | | | | |
|---|------|------|------|------|------|
| Relative humidity (%) 0830 hours | 95.4 | 93.8 | 92.2 | 96.1 | 94.9 |
| Relative humidity (%) 1730 hours | 57 | 47.7 | 53.4 | 57.2 | 49.9 |
| Wind Speed (kmph) | 1.5 | 3.1 | 5.7 | 7.3 | 6.3 |
| Wind Direction | 14 | 45 | 71.6 | 78.7 | 66.4 |

| Somvarpet | | | | | |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|
| Parameter | 25.12.2024 | 26.12.2024 | 27.12.2024 | 28.12.2024 | 29.12.2024 |
| Rainfall (mm) | 0 | 0 | 0 | 3.2 | 0 |
| Max. temp (°C) | 26.2 | 27.1 | 26.7 | 26.4 | 27.2 |
| Min.Temp (°C) | 17.2 | 17.4 | 17.9 | 18.2 | 17.1 |
| Sky condition (Octas) | 5 | 4 | 5 | 5 | 1 |
| Relative humidity (%) 0830 hours | 94.1 | 94 | 91.7 | 96.6 | 94.8 |
| Relative humidity (%) 1730 hours | 54 | 46.5 | 52.6 | 55.3 | 50.6 |
| Wind Speed (kmph) | 0.8 | 3.1 | 6.1 | 8.3 | 8 |
| Wind Direction | 26.5 | 69.4 | 86.6 | 95 | 95.2 |

| Virajpet | | | | | |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|
| Parameter | 25.12.2024 | 26.12.2024 | 27.12.2024 | 28.12.2024 | 29.12.2024 |
| Rainfall (mm) | 0 | 0 | 0 | 5.1 | 0 |
| Max. temp (°C) | 26.9 | 28.6 | 28.9 | 28.5 | 29.5 |
| Min.Temp (°C) | 18 | 18.6 | 18.9 | 19.2 | 18.7 |
| Sky condition (Octas) | 4 | 2 | 3 | 3 | 1 |
| Relative humidity (%) 0830 hours | 97.4 | 92.8 | 92 | 97.1 | 94.4 |
| Relative humidity (%) 1730 hours | 59.4 | 47.7 | 48.8 | 51 | 48.6 |
| Wind Speed (kmph) | 2.8 | 3.6 | 5.5 | 7.1 | 6.8 |
| Wind Direction | 39.8 | 36.8 | 58.4 | 66 | 58 |

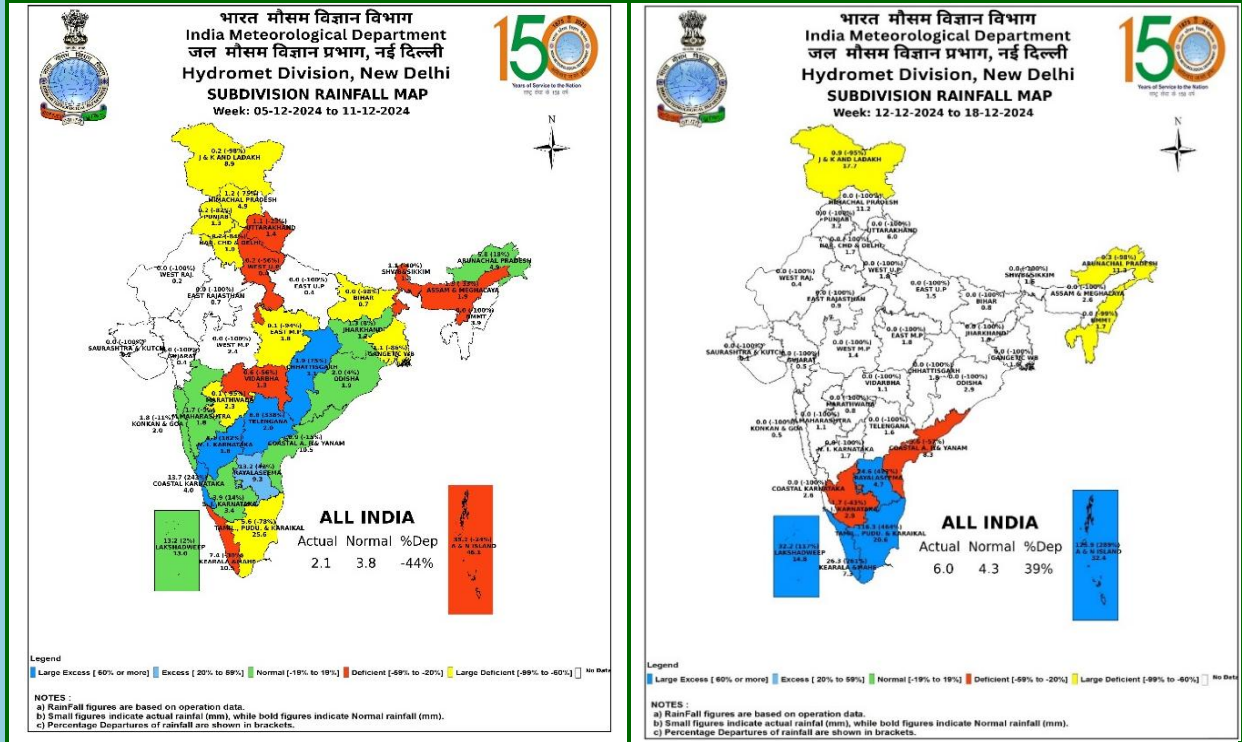
- Download “**DAMINI**” app to get early warning on lightening and take precautions based on the alert given by the application.
- Kindly download “**MAUSAM**” APP for location specific forecast & warning & “**MEGHDOOT**” APP for Agromet advisory
- This information is available in the website: mausam.imd.gov.in

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

AMFU of IMD,

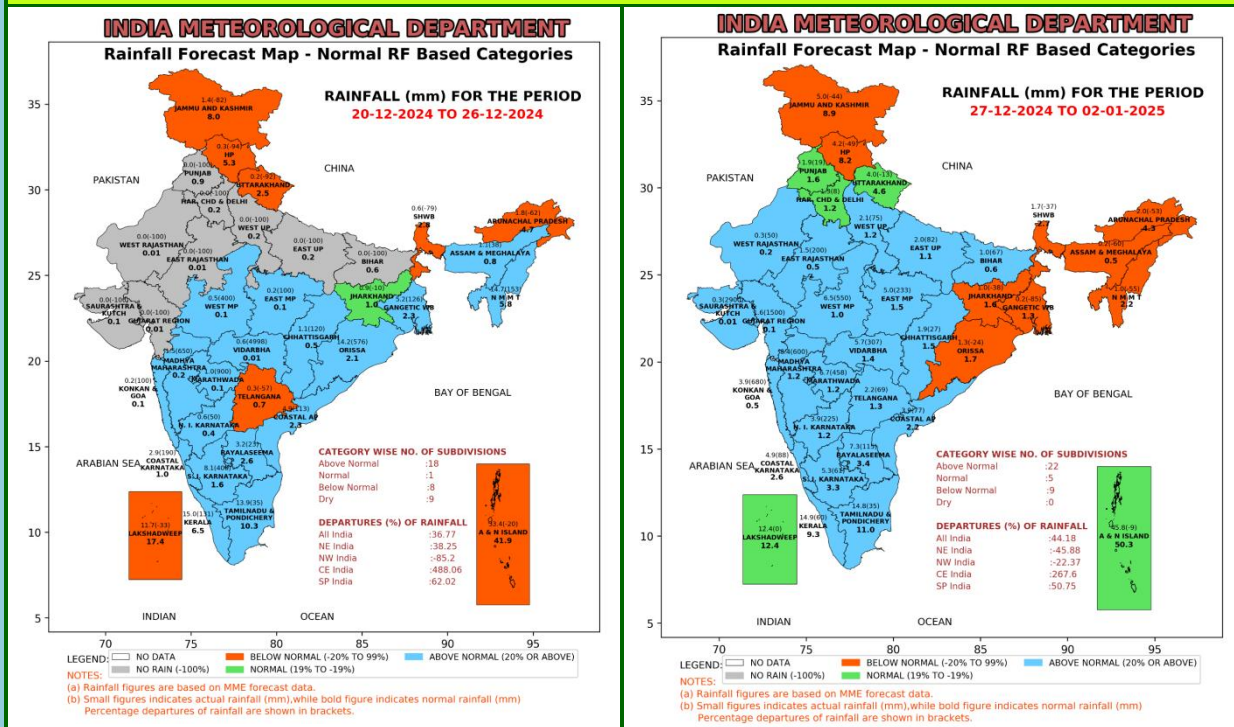
वास्तविकवर्षातथाविस्तारितअवधिपूर्वानुमान
Realized Rainfall and Extended Range Forecast
 (वर्षाऔरतापमान)
 (Rainfall and Temperature)

Realized Rainfall
 (05th to 18th December, 2024)



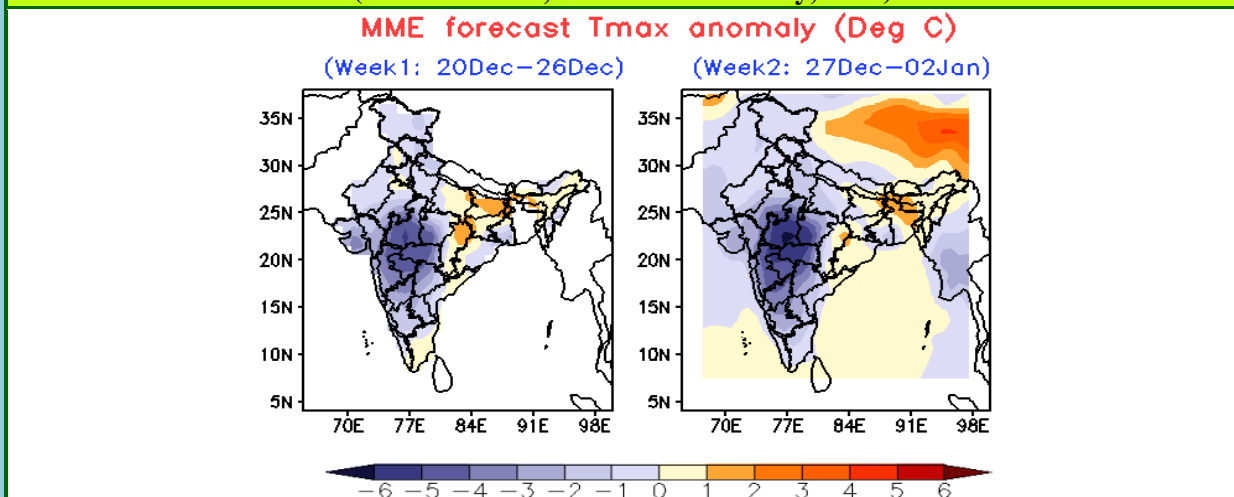
Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC- 18th December,2024) (20thDecember, 2024to 02nd January, 2025)



- **Week1(20.12.2024 to 26.12.2024):**Rainfall is likely to be above normal over Kerala, coastal Andhra Pradesh, coastal Odisha and some parts of Tamil Nadu and South Interior Karnataka.
- **Week 2 (27.12.2024 to 02.01.2025):**Rainfall is likely to be above normal over some parts of Maharashtra and West Madhya Pradesh and close to normal over rest of the country.

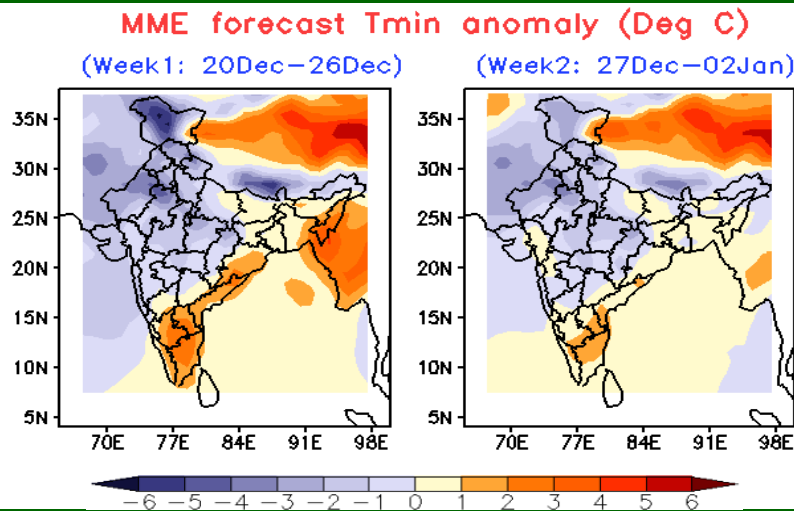
Maximum and Minimum temperature anomaly (°C) forecast for the next 2 weeks (IC- 18th December,2024) (20th December, 2024to 02nd January, 2025)



Maximum Temperature (Tmax)

- **Week 1 (20.12.2024 to 26.12.2024):**Maximum temperature is likely to be below normal over Central India, many parts of NorthWest India, West India and some parts of South India. However, it is likely to be above normal over Chhattisgarh, Bihar, East Uttar Pradesh and some parts of North East India.

- **Week 2 (27.12.2024 to 02.01.2025):** Maximum temperature is likely to be below normal over most of the country. However, it is likely to be above normal over some parts of East India and North East India.



Minimum Temperature (Tmin)

- **Week 1 (20.12.2024 to 26.12.2024):** Minimum temperature is likely to be below normal over North West India, Central India and West India. It is likely to be above normal over South India, East India and North East India.
- **Week 2 (27.12.2024 to 02.01.2025):** Minimum temperature is likely to be below normal over North West India, Central India and most parts of West India and above normal over South India.