

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



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



Date: 26-07-2024

AGRO-ADVISORY BULLETIN FOR KODAGU DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	22.07.2024	23.07.2024	24.07.2024	25.07.2024	26.07.2024
Rainfall (mm)	0	18.5	9	33.5	52
Max. Temp. (°C)	26	27.1	26.3	24.9	23.9
Min. Temp. (°C)	21.1	20.5	19.9	20	20.2
Sky condition (Octas)	-	-	-	-	-
Relative humidity (%) 0830 hours	80	98	98	100	98
Relative humidity (%) 1730 hours	85	98	97	98	99
Wind Speed (km/h)	-	-	-	-	-
Wind Direction	-	-	-	-	-

Weather forecast for the next five days (From 27-07-2024 to 31-07-2024)

Parameter	27.07.2024	28.07.2024	29.07.2024	30.07.2024	31.07.2024
Rainfall (mm)	67	40	51	50	59
Max. Temp. (°C)	26.9	28.1	27.6	27.6	27.8
Min. Temp. (°C)	18.5	18.2	18.1	18.1	18.2
Sky condition (Octas)	8	8	7	7	8
Relative humidity (%) 0830 hours	95	94	96	96	95
Relative humidity (%) 1730 hours	86	83	84	85	83
Wind Speed (kmph)	14	12	11	9	9
Wind Direction	249	257	248	248	248

Forecast Summary

As forecast received from IMD, cloudy sky with moderate to heavy rainfall may be expected from 27.07.2024 to 31.07.2024 in Kodagu district. The day temperature is expected to be 26.9-28.1°C & night temperature is expected 18.1-18.5°C. The relative humidity in the morning hours is expected to be 94-96% & afternoon relative humidity is expected to be in the range of 83-86%. Wind speed expected to be 9-14 km/ hr.

Recommendations to the farmers:

Crop	Pest/Disease	Damage symptoms	Control measures
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General Advisory:

- **Avoid Spraying:** Due to high wind speeds.
- **Monitor Soil Moisture:** Regularly check fields for signs of waterlogging and take appropriate measures to ensure proper drainage.
- **Support Plants:** Use stakes or other supports to prevent lodging in crops susceptible to toppling due to heavy rain and wind.
- **Delay Fertilizer Application:** Postpone any planned fertilizer applications until the weather conditions improve to avoid nutrient leaching and runoff.

Crop Management:

1. Coffee Plantations:

- **Water Management:**
 - **High Rainfall:** Ensure proper drainage to prevent waterlogging around the root zone.
 - **Moderate to Low Rainfall (65mm to 19mm on subsequent days):** Monitor soil moisture and adjust irrigation accordingly. Avoid over-irrigation.
- **Fungal Disease Control:**
 - **High Humidity:** Ideal conditions for fungal diseases like coffee rust. Regularly inspect plants and apply preventive fungicides. Ensure proper air circulation within the plantation by pruning excess foliage.
 - **Evening Humidity:** Maintain cleanliness in the plantation to reduce the risk of fungal infections. Remove any infected plant parts and dispose of them properly.
- **Nutrient Management:**
 - **Nutrient Leaching:** High rainfall may lead to nutrient leaching. Apply balanced fertilizers based on soil test recommendations. Use slow-release fertilizers to ensure a steady supply of nutrients.
 - **Mulching:** Apply mulch to conserve soil moisture and prevent weed growth.
- **Pest Management:**
 - **Regular Monitoring:** High humidity can encourage pest activity. Monitor for common pests like coffee berry borer and use appropriate control measures, including biological control agents.
 - **Integrated Pest Management (IPM):** Implement IPM practices such as using pheromone traps, natural predators, and organic pesticides.

2. Pepper Plantations:

- **Water Management:**
 - Ensure proper drainage to avoid waterlogging. During periods of high rainfall, check for standing water around the vines and take corrective measures.
- **Disease Control:**
 - **Phytophthora Foot Rot:** High rainfall and humidity can promote Phytophthora infections. Apply recommended fungicides as a preventive measure. Ensure good drainage and avoid water stagnation.
 - **Anthraxnose:** Monitor for anthracnose symptoms and apply appropriate fungicides. Maintain plant hygiene by removing and destroying affected plant parts.
- **Support and Training:**
 - Ensure proper staking and training of pepper vines to prevent damage from heavy rains and winds. Use strong, durable materials for staking.
- **Nutrient Management:**
 - Apply fertilizers based on soil test results. Split applications of fertilizers can help in efficient nutrient uptake and reduce leaching losses.

3. Cardamom Plantations:

- **Water Management:**
 - Proper drainage is crucial to prevent waterlogging, which can cause root diseases. Implement contour trenches and other water conservation methods.
- **Disease Management:**
 - **Rhizome Rot and Leaf Blight:** High humidity increases the risk of these diseases. Apply appropriate fungicides and ensure good air circulation in the plantation.
 - **Regular Inspection:** Conduct regular inspections for early detection of diseases and take timely action.
- **Shade Management:**
 - Maintain optimal shade levels. Excessive shade can increase humidity and disease incidence, while too little shade can stress the plants.
- **Harvesting and Post-Harvest Management:**
 - Plan harvesting activities during periods of low rainfall to ensure the quality of the produce. Properly dry and store the harvested cardamom to prevent mold and spoilage.

Horticulture:

Fruits (Citrus, Banana):

Pruning: Remove any dead or diseased branches to prevent the spread of disease.

Nutrient Management: Apply necessary nutrients to support growth, especially with the expected rainfall.

Rainwater Harvesting: Set up rainwater harvesting systems to capture and store rainwater for irrigation during drier periods.

Livestock Management:

Shelter: Provide adequate shelter to protect livestock from rain and maintain dry bedding to prevent infections.

Feed Storage: Keep feed dry and protected from moisture to avoid spoilage.

Block level weather forecast (From 27-07-2024 to 31-07-2024)

Madikeri

Parameter	27.07.2024	28.07.2024	29.07.2024	30.07.2024	31.07.2024
Rainfall (mm)	22.2	9.7	11.1	11.7	14.8
Max. temp (°C)	25.6	26.1	26.2	25.5	26.5
Min.Temp (°C)	21	20.6	20.6	20.6	20.8
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	96	97	98	98	98
Relative humidity (%) 1730 hours	94	92	92	95	92
Wind Speed (kmph)	14	12	10	8	8
Wind Direction	293	293	257	248	291

Somvarpet

Parameter	27.07.2024	28.07.2024	29.07.2024	30.07.2024	31.07.2024
Rainfall (mm)	4.6	2.8	3.3	3.9	2.6
Max. temp (°C)	24.4	25	25.6	25	25.5
Min.Temp (°C)	19.5	19.1	19.2	19.1	19.2
Sky condition (Octas)	8	8	8	7	8
Relative humidity (%) 0830 hours	93	92	95	95	94
Relative humidity (%) 1730 hours	88	84	85	87	83
Wind Speed (kmph)	22	20	16	14	15
Wind Direction	293	283	257	248	288

Virajpet

Parameter	27.07.2024	28.07.2024	29.07.2024	30.07.2024	31.07.2024
Rainfall (mm)	18.3	9.1	8.7	6.9	11.7
Max. temp (°C)	26.3	27	26.2	26.2	26.9
Min.Temp (°C)	21.6	21.2	21.2	21.1	21.4
Sky condition (Octas)	8	8	8	7	8
Relative humidity (%) 0830 hours	96	96	97	98	97
Relative humidity (%) 1730 hours	90	89	91	91	88
Wind Speed (kmph)	12	10	9	7	8
Wind Direction	248	248	248	248	248

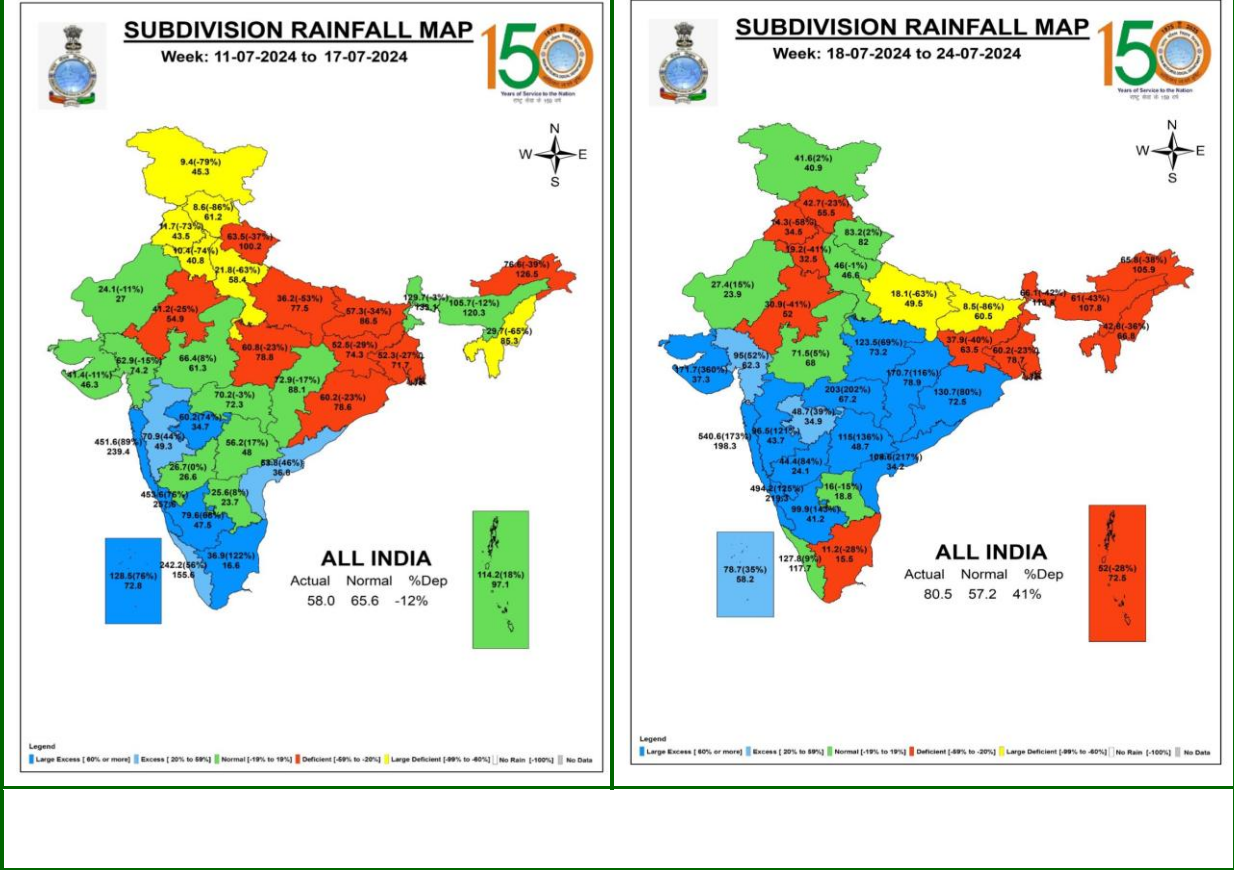
- Download “DAMINI” app to get early warning on lightening and take precautions based on the alert given by the application.
- Kindly download “MAUSAM” APP for location specific forecast & warning & “MEGHDOOT” APP for Agromet advisory
- This information is available in the website: mausam.imd.gov.in

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

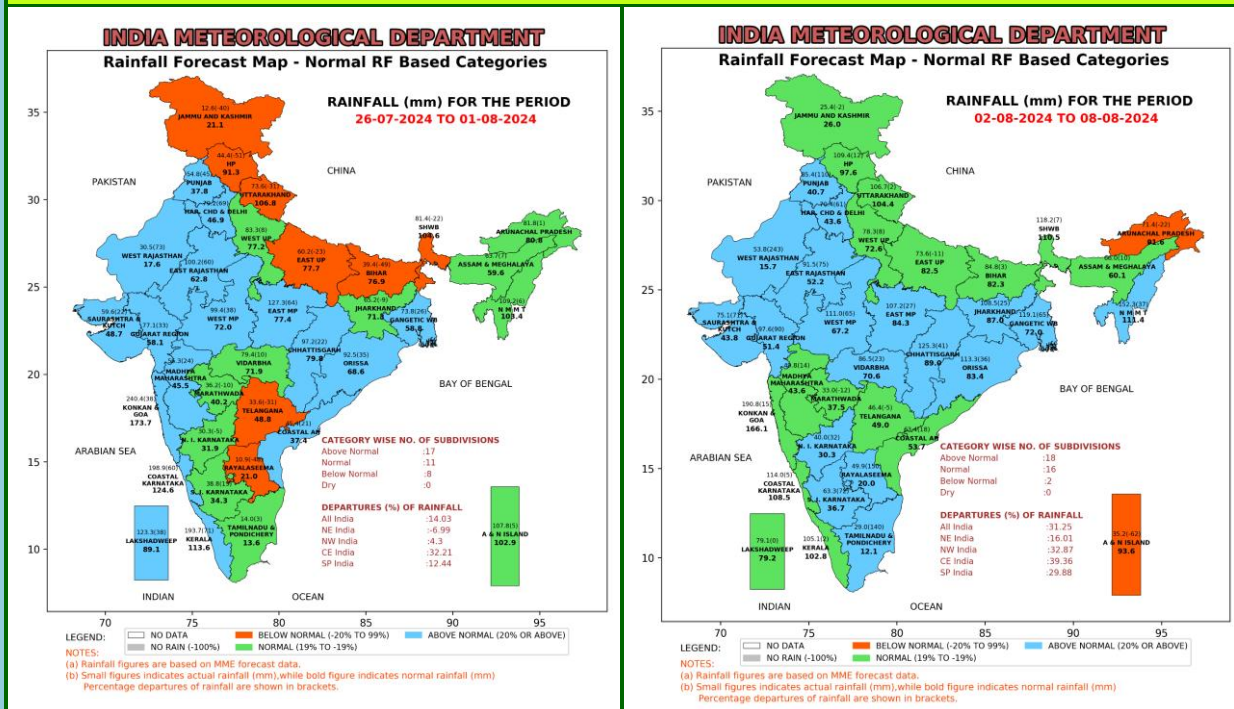
वास्तविक वर्षा तथा विस्तारित अवधि पूर्वानुमान
Realized Rainfall and Extended Range Forecast
 (वर्षा और तापमान)
 (Rainfall and Temperature)

Realized Rainfall
 (11th to 24th July, 2024)



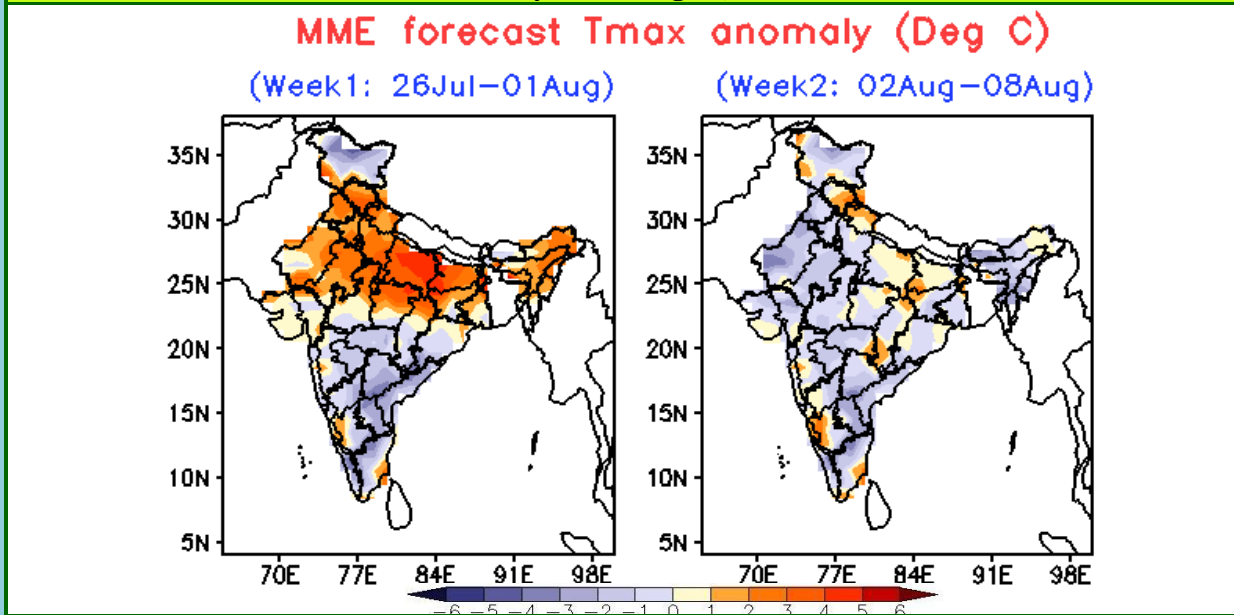
Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC- 24thJuly, 2024) (26thJuly to 08thAugust, 2024)



- **Week 1 (26.07.2024 to 01.08.2024):** Rainfall is likely to be above normal over regions along the West Coast; many parts of Central & Northwest India and some parts of East India. However, it is likely to be below normal over Tamil Nadu, Rayalaseema, Telangana, Jammu & Kashmir, Himachal Pradesh, Uttarakhand, East Uttar Pradesh and Bihar.
- **Week 2 (02.08.2024 to 08.08.2024):** Rainfall is likely to be above normal over most parts of Country except East Uttar Pradesh where it is likely to be below normal.

Maximum and Minimum temperature anomaly (°C) forecast for the next 2 weeks (IC- 24thJuly, 2024) (26thJuly to 08thAugust, 2024)



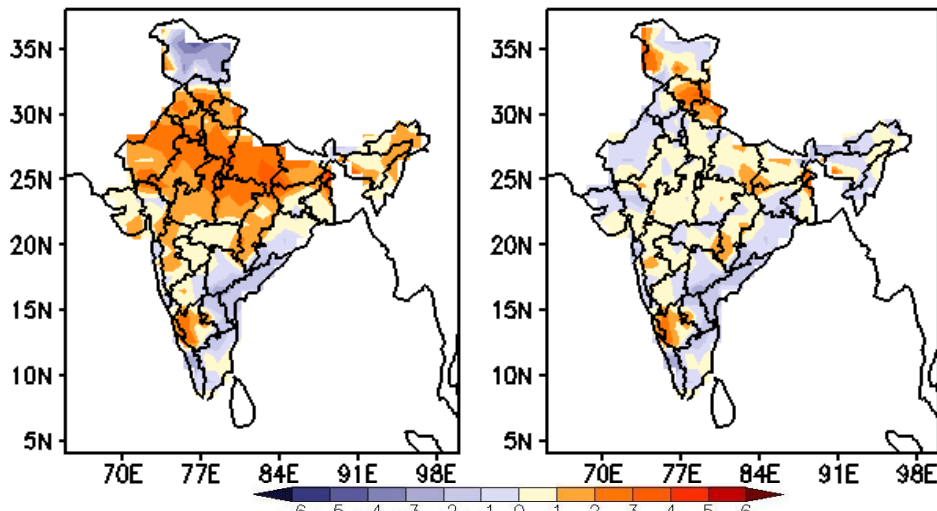
Maximum Temperature (Tmax)

- **Week 1 (26.07.2024 to 01.08.2024):**Maximum temperature is likely to be above normal over Northwest India, East India and Northeast India.
- **Week 2 (02.08.2024 to 08.08.2024):** Maximum temperature is likely to be below normal over most parts of the country.

MME forecast Tmin anomaly (Deg C)

(Week1: 26Jul-01Aug)

(Week2: 02Aug-08Aug)



Minimum Temperature (Tmin)

- **Week 1 (26.07.2024 to 01.08.2024):** Minimum temperature likely to be above normal over most parts of the country except Kerala, Telangana, Rayalaseema and regions along East Coast.
- **Week 2 (02.08.2024 to 08.08.2024):** Minimum temperature likely to be slightly above normal over parts of Northwest India, Central India and Karnataka.