

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



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



Date: 09-08-2024

**AGRO-ADVISORY BULLETIN FOR KODAGU DISTRICT**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

**Past Weather Data**

Parameter	06.08.2024	07.08.2024	08.08.2024	09.08.2024
Rainfall (mm)	6	1	1	9
Max. Temp. (°C)	28.1	27.3	26.3	25.6
Min. Temp. (°C)	20.8	19.9	20.2	19.5
Sky condition (Octas)	-	-	-	-
Relative humidity (%) 0830 hours	100	92	92	87
Relative humidity (%) 1730 hours	99	82	86	100
Wind Speed (km/h)	-	-	-	-
Wind Direction	-	-	-	-

**Weather forecast for the next five days (From 10-08-2024 to 14-08-2024)**

Parameter	10.08.2024	11.08.2024	12.08.2024	13.08.2024	14.08.2024
Rainfall (mm)	7	7	6	6	6
Max. Temp. (°C)	27	28	29	29	29
Min. Temp. (°C)	16.9	17.7	17.8	18.1	17.6
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	96	95	94	94	94
Relative humidity (%) 1730 hours	66	66	65	65	57
Wind Speed (kmph)	7	7	7	6	7
Wind Direction	248	283	279	287	252

**Forecast Summary**

As forecast received from IMD, cloudy sky with **light rainfall** may be expected from 10.08.2024 to 14.08.2024 in Kodagu district. The day temperature is expected to be 27-29°C & night temperature is expected 16.9-18.1°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 57-66%. Wind speed expected to be 6-7 km/ hr.

## Recommendations to the farmers:

Crop	Pest/Disease	Damage symptoms	Control measures
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### General Advisory

#### General recommendations for agricultural activities based on the given rainfall forecast:

- ✓ Ensure proper drainage in fields to prevent waterlogging, especially after heavy rains.
- ✓ Maintain adequate soil moisture for transplanted crops like paddy and ragi.
- ✓ Monitor soil moisture levels for crops like maize, sunflower, and groundnut; irrigate if necessary.
- ✓ Regularly inspect crops like maize and coffee for pests (e.g., fall armyworm) and diseases.
- ✓ Apply recommended insecticides or fungicides during dry periods to control infestations in crops like tomato, anthuriums, and black pepper.
- ✓ Carry out weeding operations in vegetable and plantation crops during dry spells to reduce competition for nutrients and moisture.
- ✓ Apply mulch around crops like ginger, turmeric, coffee, and spices to conserve soil moisture and reduce weed growth.
- ✓ Apply fertilizers during dry spells, ensuring they are not washed away by light rainfall.
- ✓ Prune dead or diseased branches in horticultural crops like citrus and sapota to improve air circulation and reduce disease risk.
- ✓ Provide support for crops like banana during the bunch development stage to prevent damage from wind.
- ✓ Treat seeds before sowing to protect against soil-borne diseases, especially in the case of pulses and other direct-seeded crops.

Crop Category	Crop	Growth Stage	Advisory
Cereals	Paddy, Ragi	Transplanted	With light rainfall expected, ensure proper water levels in the fields; continue transplanting operations with adequate soil moisture.
	Maize	Vegetative	Monitor for fall armyworm in maize; apply recommended control measures. Ensure drainage to prevent waterlogging.
Vegetables and Oil Seeds	Sweet Potato, Potato, Radish	Vegetative	Monitor for tuber rot due to previous heavy rainfall; ensure good drainage to prevent waterlogging.
	Tapioca, Knol-Knol, Ginger	Vegetative	Continue mulching to conserve soil moisture; ensure proper drainage to avoid water stagnation, which can lead to root diseases.
	Sunflower, Groundnut	Vegetative	Carry out weeding operations; light rainfall may not be sufficient for irrigation, so monitor soil moisture closely.
Flowers	Anthuriums	Flowering	Maintain high humidity levels; protect plants from direct rainfall by providing shade nets. Apply fungicides to prevent fungal infections.
Cash Crops (Plantations)	Coffee	Berry development	Mulch to conserve moisture; light rainfall is favorable for the crop, but ensure proper drainage to prevent root diseases.
	Rubber, Teak	-	Monitor for fungal infections due to high humidity; avoid tapping rubber trees during wet periods.
	Arecanut, Tapioca	-	Continue with regular inspections for pest infestations; light rainfall may require

			additional irrigation depending on soil moisture levels.
<b>Horticulture</b>	<b>Banana</b>	Fruit development	Support the bunches with props to prevent damage; avoid water stagnation around the roots.
	<b>Citrus, Guava, Sapota</b>	-	Prune dead or diseased branches; ensure adequate soil drainage and monitor for pest and disease attacks.
<b>Spices</b>	<b>Black pepper, Cardamom, Vanilla</b>	-	Maintain mulch to conserve soil moisture; inspect for diseases like black rot due to high humidity.
<b>Coconut black headed caterpillar</b>	<ul style="list-style-type: none"> <li>Remove and burn the severely affected fronds.</li> <li>On community basis feed the Manocrotophos 36 SL. to the palm through root.</li> </ul> <p><b>Method:</b> A meter away from trunk, dig out and select brown coloured pencil thickness size root. Cut the root in a slanting position. To the polythene bag (size of 15 cm. length 4 cm. breadth) add 7.5 to 10 ml. Monocrotophos 36 SL. with equal quantity of water, introduce and immerse cut end of the root in insecticide mixture and tie the bag with thread.</p> <ul style="list-style-type: none"> <li>The palm absorb the chemical within a period of 24 hours, if not after 48 hours select another root to feed the chemical.</li> <li>A month after chemical treatment release larval parasites: gravid, Goniozus@ 10 - 12 /palm.</li> </ul> <p><b>Caution:</b> Not to harvest tender coconuts/matured coconuts for 30 days from date of chemical treatment.</p>		
<b>Coconut</b>	Rhinoceros beetle	Remove the beetle from infected part and fill 2 % Quinolphos or 5 % Melathion in sand @ 1:1 ratio.	
<b>Sericulture</b>	Maintain optimal temperature and humidity in silkworm rearing houses. Provide good ventilation. Use disinfectants to control diseases. Ensure mulberry leaves are clean and disease-free.		
<b>Poultry</b>	Ensure proper ventilation in poultry houses to maintain optimal temperature and humidity. Provide clean drinking water. Vaccinate against common diseases. Keep the poultry shed dry and clean to prevent disease outbreaks.		
<b>Livestock</b>	Ensure clean and dry housing to prevent hoof diseases. Provide adequate clean drinking water. Supplement diet with minerals and vitamins. Regularly check for external parasites and treat accordingly.		

### Block level weather forecast (From 10-08-2024 to 14-08-2024)

#### Madikeri

<b>Parameter</b>	<b>10.08.2024</b>	<b>11.08.2024</b>	<b>12.08.2024</b>	<b>13.08.2024</b>	<b>14.08.2024</b>
<b>Rainfall (mm)</b>	6.7	12.7	13.3	4.5	9.2
<b>Max. temp (°C)</b>	29	30.6	32.2	32.2	30.3
<b>Min.Temp (°C)</b>	20.2	20.4	20.5	20.5	20.5
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	99	98	98	96	98

<b>Relative humidity (%) 1730 hours</b>	76	68	69	65	62
<b>Wind Speed (kmph)</b>	5	6	6	6	5
<b>Wind Direction</b>	288	293	293	297	294

### Somvarpet

<b>Parameter</b>	<b>10.08.2024</b>	<b>11.08.2024</b>	<b>12.08.2024</b>	<b>13.08.2024</b>	<b>14.08.2024</b>
<b>Rainfall (mm)</b>	8.6	12.1	10.9	0.4	4.6
<b>Max. temp (°C)</b>	28.2	29.1	30.4	29.6	27.9
<b>Min.Temp (°C)</b>	18.4	19	18.8	19.2	19
<b>Sky condition (Octas)</b>	8	7	8	8	8
<b>Relative humidity (%) 0830 hours</b>	98	97	96	94	96
<b>Relative humidity (%) 1730 hours</b>	68	65	68	60	61
<b>Wind Speed (kmph)</b>	9	10	10	10	8
<b>Wind Direction</b>	291	293	293	293	291

### Virajpet

<b>Parameter</b>	<b>10.08.2024</b>	<b>11.08.2024</b>	<b>12.08.2024</b>	<b>13.08.2024</b>	<b>14.08.2024</b>
<b>Rainfall (mm)</b>	7	13.4	14.9	10.5	12.7
<b>Max. temp (°C)</b>	29.5	31.5	32.2	32.7	30.8
<b>Min.Temp (°C)</b>	21.1	21.5	21.8	21.8	21.5
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	98	97	97	96	97
<b>Relative humidity (%) 1730 hours</b>	74	63	68	60	60
<b>Wind Speed (kmph)</b>	5	5	5	5	4
<b>Wind Direction</b>	270	281	283	270	270

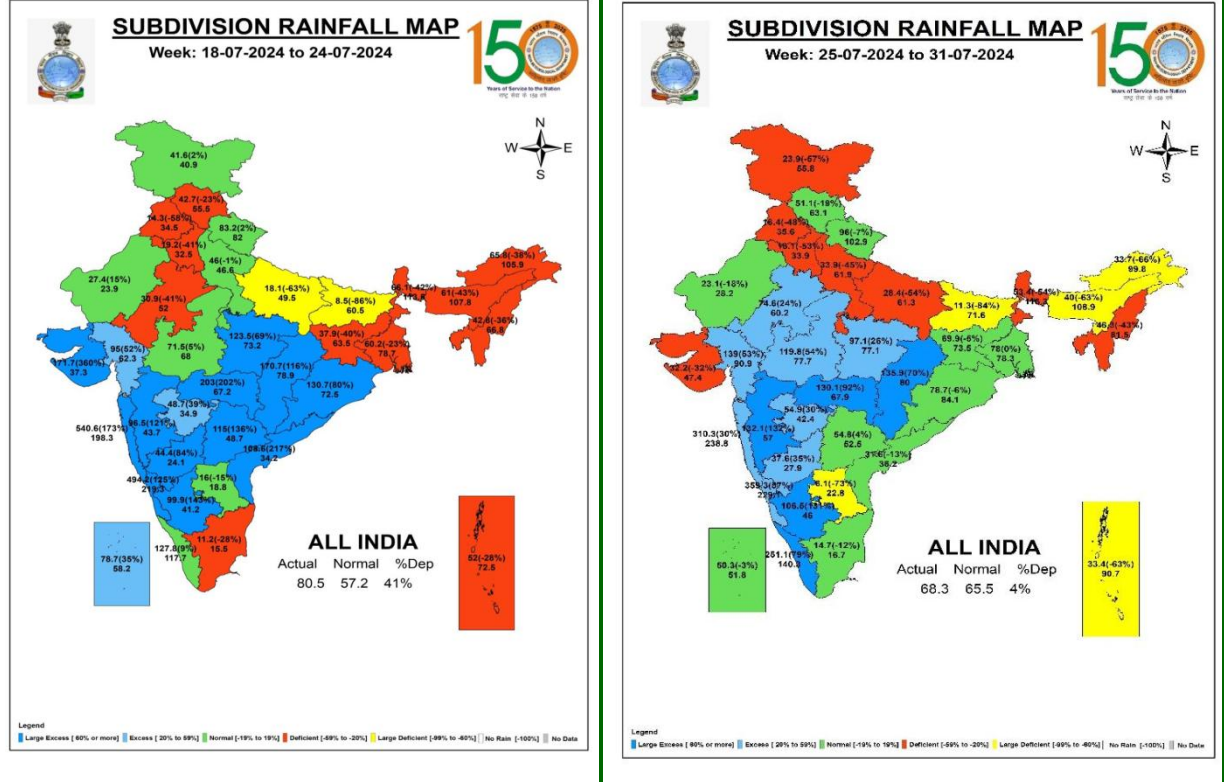
- Download “**DAMINI**” app to get early warning on lightening and take precautions based on the alert given by the application.
- Kindly download “**MAUSAM**” APP for location specific forecast & warning & “**MEGHDOOT**” APP for Agromet advisory
- This information is available in the website: [mausam.imd.gov.in](http://mausam.imd.gov.in)

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

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

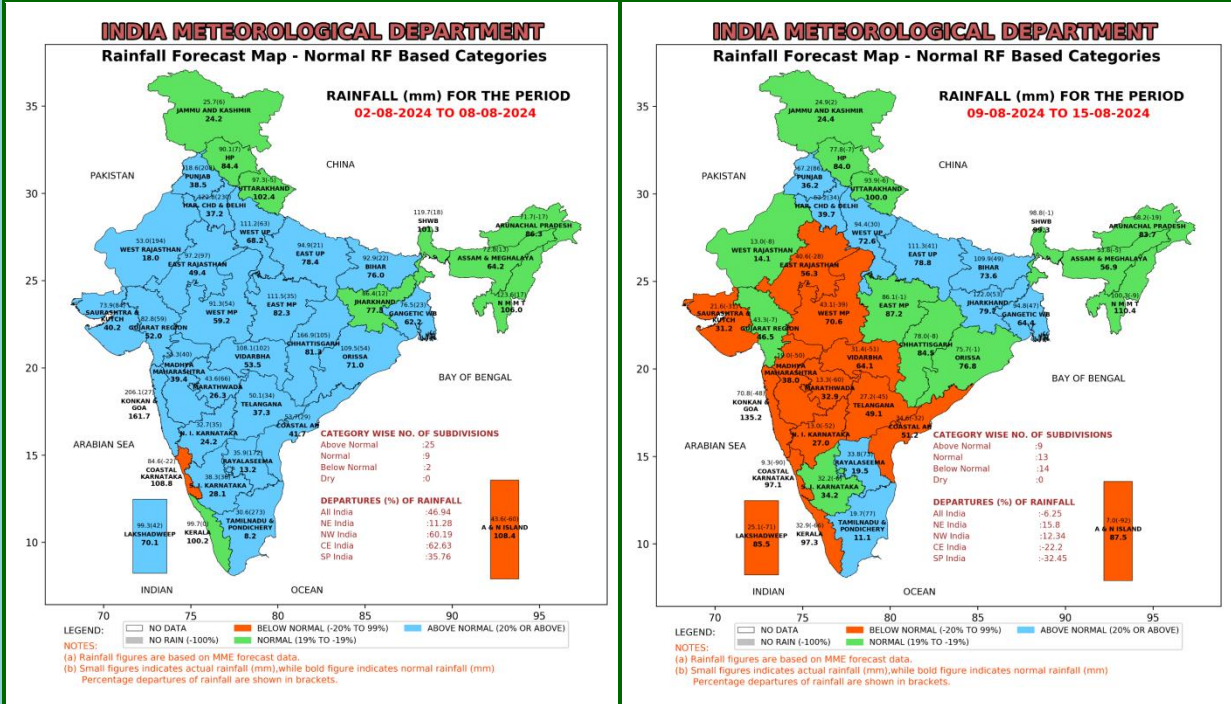
**Realized Rainfall**  
 (18<sup>th</sup> to 31<sup>st</sup> July, 2024)



- Normal or above normal rainfall occurred in both the weeks over Uttarakhand, West Rajasthan, Madhya Pradesh, Chhattisgarh, Odisha, Gujarat Region, Maharashtra, Telangana, Coastal Andhra Pradesh, Karnataka, Kerala & Mahe and Lakshadweep.
- Normal or above normal rainfall occurred in either of the two weeks over Jammu & Kashmir and Ladakh (UTs), Himachal Pradesh, West Uttar Pradesh, Jharkhand, Gangetic West Bengal, Saurashtra & Kutch, East Rajasthan, Rayalaseema and Tamil Nadu Puducherry & Karaikal.
- Below Normal rainfall/no rain occurred in both the weeks over Punjab, Haryana Chandigarh & Delhi, East Uttar Pradesh, Bihar, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Arunachal Pradesh, Nagaland Manipur Mizoram & Tripura (NMMT) and Andaman & Nicobar Islands.

# Extended Range Forecast System

## Rainfall forecast maps for the next 2 weeks (IC- 31<sup>st</sup> July, 2024) (02<sup>nd</sup> to 15<sup>th</sup> August, 2024)



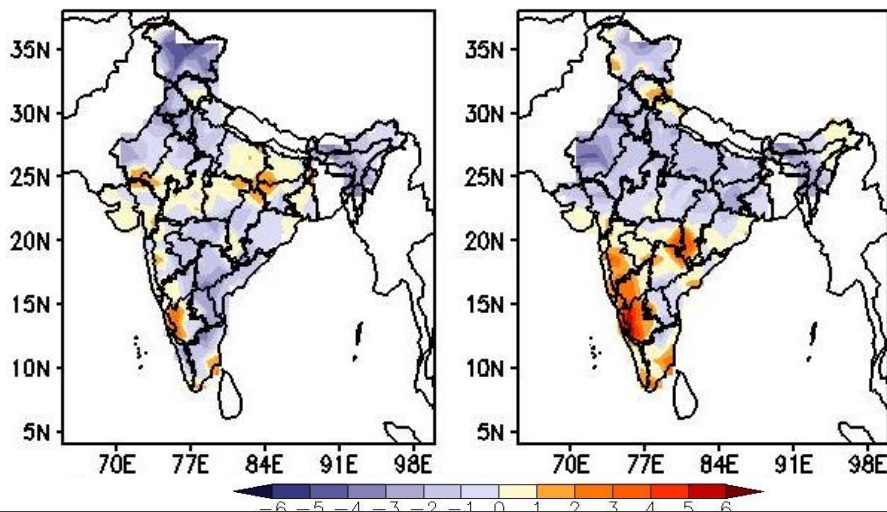
- **Week 1 (02.08.2024 to 08.08.2024):** Rainfall is likely to be above normal over most parts of the country.
- **Week 2 (09.08.2024 to 15.08.2024):** Rainfall is likely to be above normal over Northwest India and Indo Gangetic Plains. However, it is likely to be below normal over Central India, Northeast India and along West coast.

**Maximum and Minimum temperature anomaly ( °C) forecast  
for the next 2 weeks (IC- 31<sup>st</sup>July, 2024)  
(02<sup>nd</sup>to 15<sup>th</sup>August, 2024)**

**MME forecast Tmax anomaly (Deg C)**

(Week1: 02Aug–08Aug)

(Week2: 09Aug–15Aug)



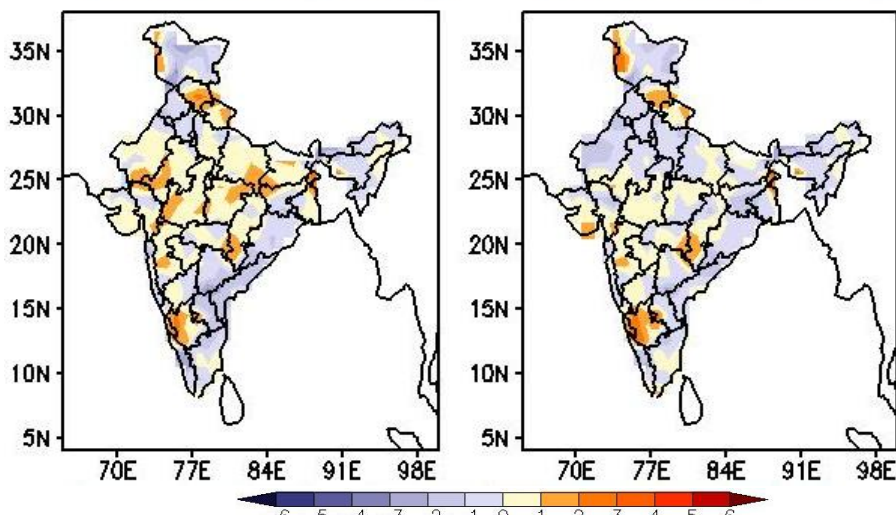
**Maximum Temperature (Tmax)**

- **Week 1 (02.08.2024 to 08.08.2024):**Maximum temperature is likely to be normal to below normal over most parts of the country.
- **Week 2 (09.08.2024 to 15.08.2024):** Maximum temperature is likely to above normal over South India and some parts of Central India. It is likely to be below normal over Northwest India, East India and Northeast India.

**MME forecast Tmin anomaly (Deg C)**

(Week1: 02Aug–08Aug)

(Week2: 09Aug–15Aug)



**Minimum Temperature (Tmin)**

- **Week 1 (02.08.2024 to 08.08.2024):** Minimum temperature likely to be slightly above normal over parts of Northwest India, Central India, East India and Karnataka.
- **Week 2 (09.08.2024 to 15.08.2024):** Minimum temperature likely to be slightly above normal over parts of Maharashtra, Madhya Pradesh, Chhattisgarh, Gujarat, Himachal Pradesh and Uttarakhand. It is likely to be above normal over parts of Karnataka.